



SAN BERNARDINO COUNTY  
DEPARTMENT OF PUBLIC WORKS  
SPECIAL DISTRICTS

## ADDENDUM NO. 2

TO THE BIDDING REQUIREMENTS, CONTRACT DOCUMENTS, GENERAL CONDITIONS,  
SPECIAL CONDITIONS, AND TECHNICAL SPECIFICATIONS FOR THE

### Arrow Route Sewer Main Project

PROJECT NO.: 30.30.0191

April 1, 2025

The Contract Documents for the above referenced project are hereby amended in the following manner and the following manner only:

All provisions of this Addendum No. 1 are hereby incorporated into the Contract Documents, and Bidders shall account for all provisions pursuant to this Addendum No. 1 in submitting their bid proposals. **Each Bidder shall include a dated and signed copy of this Addendum with their sealed bid proposal.**

#### 1. ITEM NO. 1: ADDITION of SECTION I- POTHOLING REPORT

Contractors are advised to add Section I – Potholing Report to the Arrow Route Sewer Main Project bidding documents as enclosed herein.

#### 2. ITEM NO. 2 SECTION G – CONTRACT DRAWINGS

Bidders are advised of the following changes as it appears within Section G – Contract Drawings.

- A. Bidders are advised to replace Sheet 3 of 28 Arrow Route Sewer Main Project Details with Revised Sheet 3 of 28 Arrow Route Sewer Main Project Details as enclosed herein.

#### 3. ITEM NO. 3: SECTION A- BIDDING REQUIREMENTS

Bidders are advised of the following change as it appears within Section A., Bidding Requirements, Bid Proposal of the Specifications

- A. Bidders are advised to replace “Bid Proposal” pages BP-1 thru BP-10, hereby issued on April 1, 2024, accompanying this Addendum No. 2. The revision includes updating quantities to the base bid and additive bid scope of work.

#### 4. BIDDER QUESTIONS

Below are the questions and answers submitted.

**Question 1:** Is the county providing soils / compaction testing to the contractor and any other special inspections that may be required?

**Answer:** Per the project specification General Conditions 6.3.3, the County shall pay for the Soil

Density Testing and special material testing.

**Question 2:** Is concrete testing required for sewer manhole bases and PPC concrete replacement?

**Answer:** Yes, per the City of Fontana's Quality Assurance Plan and SPPWC 201-1.1.5, concrete shall be tested one time per day per each mix design. Also, per the project specification General Conditions 6.3.3, the County shall pay for the Concrete Compression Testing.

**Question 3:** Are hard closures (closed to thru traffic ) aka residents only allowed block to block due to the depth of this sewer. If hard closures are not allowed production will be extremely limited.

**Answer:** Hard closures will be considered; however, if approved, they will require a separate permit. To obtain approval, a traffic control plan signed and sealed by a Civil or Traffic Engineer must be submitted to San Bernardino County - Transportation Permits for review.

**Question 4:** Can a detail be provided for the PCC concrete intersections that will be removed during the construction. I only see a trench detail and many of the intersections go thru concrete. Aka are dowels needed exct.

**Answer:** Revised Sheet 3 of 28 Arrow Route Sewer Main Project Details includes a Portland Cement Concrete (PCC) detail for the repair work to be completed at the PCC intersections.

**Question 5:** What is the engineer's estimate/value for this Project?

**Answer:** There is no County approved engineer's estimate for this project.

**Question 6:** Will precast manhole bases be allowed in lieu of cast in place bases

**Answer:** No, City of Fontana Standard Drawing 2001 specifically requires cast in place manhole bases.

**Question 7:** Detail #2 trench repair on sheet 3 of 28 calls for slurry backfill is this required? Also detail calls for cap and grind but in the pre bid meeting it was mentioned that the county was going to have a upcoming street improvement project. Base pave flush might want to be considered and a updated trench detail should be provided. Also detail #2 says class 2 base under the asphalt "if existing" does this mean if not existing that be pave on native.? Fontana allows paving on native 3" minus per there detail. Class 2 base shall be used when not using slurry.

**Answer:** Slurry backfill is required for narrow trenches where compaction equipment can't achieve required compaction. Contractors are advised that the County's upcoming road paving project is limited to Arrow route and does NOT include Cherry Avenue or Beech Avenue. Regardless the trench repair detail shall be followed. For County portion of trench repair Class II Base shall be installed per the detail regardless of existing conditions. For City Portion of trench repairs detail # 3 shall be followed.

**Question 8:** Can a soils report be provided?

**Answer:** A geotechnical was included in Addendum 1 as Section H - Geotechnical Report.

**Question 9:** Can the pothole report be provided?

**Answer:** A pothole report is included in this Addendum 2 attached herein as Section I – Potholing Report.

**Question 10:** Please provide permit fee schedule. It is recommended that the county pay for all permit fees to streamline and keep the cost from being guessed by the contractor.

**Answer:** San Bernardino County -Transportation permit fee Schedule is enclosed herein. However, this will be a no fee permit for the project.

**Question 11:** Can an ac cap and grind SF be given for the city of fontana portions of the work so all bids are based on the same quantity being that Fontana has the history of allowing inspections to widen limits in the field during construction.

**Answer:** The quantity is shown on the plans (Construction Note 10). The contractor shall include the price of trench repair and AC grind/overlay in the pipe price per the Technical Specifications.

**Question 12:** Is there a standard spec the County follows other than the Green Book for the sewer video inspection requirements? I know the inspector in the meeting today said that the company doing the CCTV will need to have a NASSCO Certified tech.

**Answer:** All sewers shall be video inspected by contractor. Sewer video shall include clean-out connection, clean-out to lateral segment, lateral, and main line. Contractor performing the video inspection must have a NASSCO PACP, LACP, and MACP certification. Contractor shall provide a copy of the video on DVD or flash drive to inspection staff with an accompanying full report. Videos to be inspected and approved by City Inspector. If removal and replacement of any utility is required, a subsequent video of the repair will be required.

**Question 13:** Are the stub outs/laterals for the Cherry Avenue and Beech Avenue Sewer Main on Arrow Route part of Phase I?

**Answer:** Yes, if Bid Additives 2 and 3 are not awarded the sewer main for Arrow Route shall include the stub outs on Cherry Avenue and Beech Avenue. The stub outs shall be from Stations 10+00 to Station 11+00 on Cherry Ave and Beech Ave.

**Questions 14:** How does the County plan to deal with boulders if encountered in this project?

**Answer:** Contractor shall note even though soil borings do not specifically identify large cobbles and boulders, Contractor may encounter such cobble and boulders upwards of 24" in diameter. Contractor's bid price for trench safety, sheeting, shoring and bracing and for trenching and backfill associated with all base and additive bid items for PVC sewer main and manhole installation, shall include all costs required for the excavation, handling, shoring, removal, export, screening, backfill and compaction of any unstable soil conditions due to encountering any well graded sand and gravel material or cobble and boulders, and no additional compensation shall be allowed.

Enclosures:

- Arrow Route Sewer Main Project, Mandatory Pre-Bid Meeting Sign-In Sheet, March 11, 2025
- Section I - POTHOLING REPORT
- Revised Sheet 3 of 28 Arrow Route Sewer Main Project Details

- Section A – BID PROPOSAL, BP 1-10
- San Bernardino County – Transportation Permit Fee Schedule

The above items modify the formal bid documents in the manner prescribed and in that manner only. All other contract items will remain as originally intended. Contractor will sign/date this addendum and submit with their bid as acknowledgement of receiving and complying with this addendum.

ISSUE DATE: April 1, 2025

Date Acknowledged by Bidder: \_\_\_\_\_

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

Vladimir Reyes, Project Manager  
Department of Public Works - Special Districts  
Project Management Division

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

Bidders Company Name

\_\_\_\_\_  
Bidders Signature





**SECTION I**

**POTHOLING REPORT**

**ARROW ROUTE SEWER MAIN  
PROJECT**

FOR

**SAN BERNARDINO COUNTY  
FONTANA, CALIFORNIA**

**PROJECT NO.: 30.30.0191**

Utility Locating  
Radiography  
Potholing  
Mapping  
GPR



# BELOW

SUBSURFACE IMAGING  
*An **RMA** Company*

Date:  
Technician:  
Project Name:  
Project Address:  
C Below Project No.

December 27, 2024  
Ruben Lopez  
City of Fontana Arrow Blvd Sewer Main Potholing  
Arrow Blvd., Fontana, CA  
08-240814-0

Pothole Report

[www.cbelow.com](http://www.cbelow.com)

**1-888-90-BELOW**

1385 Old Temescal Rd., STE 100  
Corona, CA 92881

Date: **December 27, 2024**  
 Technician: **Ruben Lopez**  
 Project Name: **City of Fontana Arrow Blvd Sewer Main Potholing**  
 Project Address: **Arrow Blvd., Fontana, CA**  
 C Below Project No. **08-240814-0**

### Project Summary

No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
1	Gas	24	Steel	6.82	E-W	East Bound Arrow Blvd., South West of Address 13356.	Asphalt
2	Comm	4	PVC	2.30	N-S	East Bound Arrow Blvd., South of Address 13494.	Asphalt
3	Water	12	Concrete	3.44	N-S	East Bound Arrow Blvd., South West of Address 13512.	Concrete
4	Water	8	Plastic	5.20	N-S	East Bound Arrow Blvd., South West of Address 13640.	Asphalt
5	Water	12	Steel	4.42	N-S	East Bound Arrow Blvd., South East of Address 13690.	Concrete
5.1	Gas	24	Encasement	6.70	E-W	East Bound Arrow Blvd., South East of Address 13690.	Concrete
6	Water	12	Steel	3.10	N-S	East Bound Arrow Blvd., South East of Address 14086.	Asphalt
7	Water	8	ACP	3.16	N-S	East Bound Arrow Blvd., South East of Address 14288.	Asphalt
7.1	Gas	2	Steel	2.86	N-S	East Bound Arrow Blvd., South East of Address 14288.	Asphalt
8	Water	12	ACP	4.66	N-S	South Bound Cherry Ave., South East of Address 8482.	Asphalt
9	Gas	24	Steel	7.22	NW-SE	South Bound Cherry Ave., South East of Address 8482.	Asphalt
9.1	Unknown	4	PVC	3.20	NW-SE	South Bound Cherry Ave., South East of Address 8482.	Asphalt
10	Gas	2	Steel	2.82	N-S	North Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt
11	Water	12	ACP	4.42	N-S	North Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt
12	Electric	N/A	Encasement	5.18	N-S	North Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt

Comments: Top depth is measured from ground surface to top of utility. Potholes were performed at locations specified by the client. Utility size and material are based on visual estimates and may vary. Approximate coordinates (Lat/Long) are provided to show a general area of pothole location and are for information purposes only.



Date: **December 27, 2024**  
 Technician: **Ruben Lopez**  
 Project Name: **City of Fontana Arrow Blvd Sewer Main Potholing**  
 Project Address: **Arrow Blvd., Fontana, CA**  
 C Below Project No. **08-240814-0**

#### Project Summary

No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
13	Water	12	Steel	7.56	N-S	East Bound Arrow Blvd., South East of Address 14690.	Asphalt
14	Water	8	Plastic	3.80	N-S	East Bound Arrow Blvd., South of Address 15130.	Asphalt
15	Water	10	Concrete	2.90	N-S	East Bound Arrow Blvd., North East of 8515 Beech Ave.	Asphalt
16	Water	24	Concrete	5.00	N-S	East Bound Arrow Blvd., North East of 8515 Beech Ave.	Asphalt
17	Gas	4	Steel	3.06	N-S	East Bound Arrow Blvd., North East of 8515 Beech Ave.	Asphalt
18	Water	10	Concrete	4.44	E-W	South Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt
18.1	Unknown	N/A	Encasement	1.02	E-W	South Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt
19	Electric	N/A	Encasement	2.42	E-W	South Bound on Cherry Ave., West of Address 8215.	Asphalt
20	Water	24	Steel	3.46	E-W	North Bound Beech Ave., North West of Address 8153.	Asphalt

Comments: Top depth is measured from ground surface to top of utility. Potholes were performed at locations specified by the client. Utility size and material are based on visual estimates and may vary. Approximate coordinates (Lat/Long) are provided to show a general area of pothole location and are for information purposes only.



Technician Name Ruben Lopez		Date 12-20-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 1	Location East Bound Arrow Blvd., South West of Address 13356.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

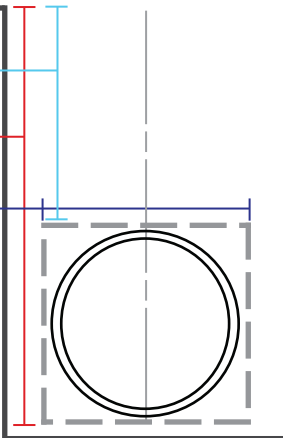
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099062, -117.514186

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	32.10	NW	Stop Sign	2	44.20	NE	Utility Pole	3	7.80	SE	Sewer Manhole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
1	Gas	24	Steel	6.82	E-W	East Bound Arrow Blvd., South West of Address 13356.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-18-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 2	Location East Bound Arrow Blvd., South of Address 13494.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

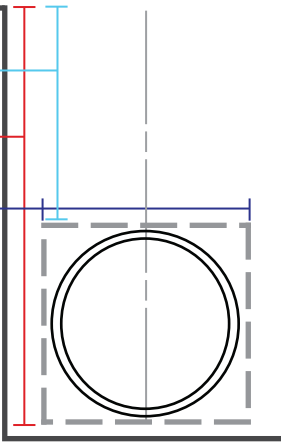
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099118, -117.510876

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	34.70	N	Communication Manhole	2	27.80	SW	Water Valve Cap	3	40.20	NW	Firehydrant

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
2	Comm	4	PVC	2.30	N-S	East Bound Arrow Blvd., South of Address 13494.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-18-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 3	Location East Bound Arrow Blvd., South West of Address 13512.		

Surface Type:  Profile View (not to scale)  
 Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.099121, -117.510580

Top:  (feet)

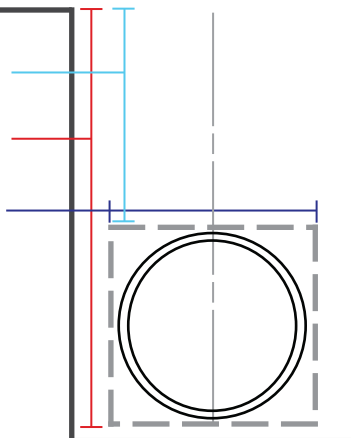
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



### PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	22.80	S	Water Valve Cap	2	15.10	N	Water Valve Cap	3	37.20	W	Communication Manhole

### LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
3	Water	12	Concrete	3.44	N-S	East Bound Arrow Blvd., South West of Address 13512.	Concrete



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-18-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 4	Location EB on Arrow Rte. South of address 13635.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.099137, -117.507730

Top:  (feet)

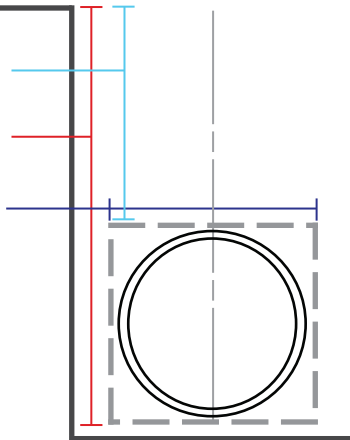
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	18.60	N	Water Valve Cap	2	43.20	S	Face of Concrete Gutter	3	37.50	NW	Water Valve Cap

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
4	Water	8	Plastic	5.20	N-S	EB on Arrow Rte. South of address 13635.	Asphalt



Photo 1

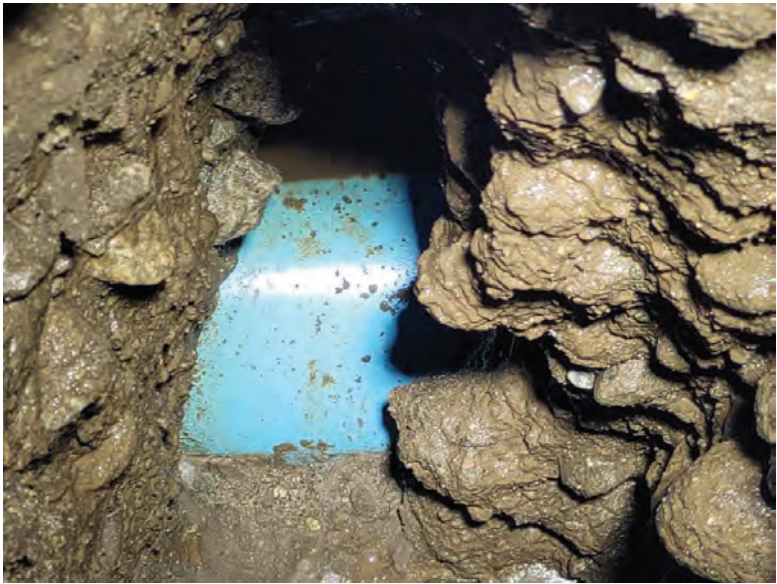


Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-18-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 5	Location East Bound Arrow Blvd., South East of Address 13690.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

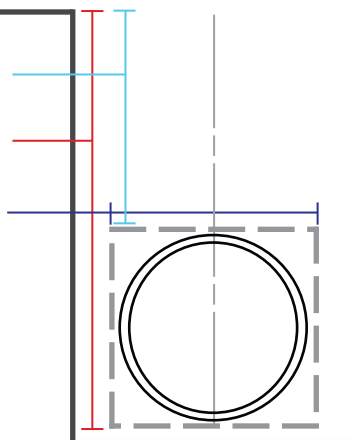
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099134, -117.506295

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	23.70	S	Water Valve Cap	2	31.20	NW	Water Valve Cap	3	49.80	NE	Face of ADA Pad

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
5	Water	12	Steel	4.42	N-S	East Bound Arrow Blvd., South East of Address 13690.	Concrete



Photo 1



Photo 2



Photo 3



Photo 4

Comments:



Technician Name Ruben Lopez		Date 12-18-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 5. 1	Location East Bound Arrow Blvd., South East of Address 13690.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.099134,-117.506295

Top:  (feet)

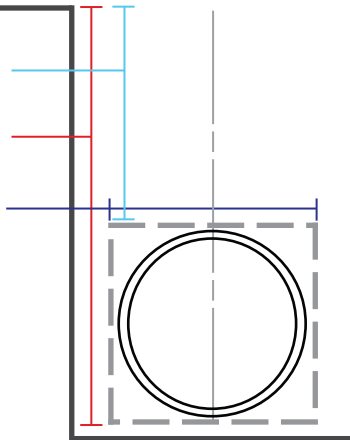
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	24.50	S	Water Valve Cap	2	31.70	NW	Water Valve Cap	3	44.70	NE	Face of ADA Pad

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
5.1	Gas	24	Encasement	6.70	E-W	East Bound Arrow Blvd., South East of Address 13690.	Concrete



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-18-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 6	Location EB on Arrow Rte. South of address 8600.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.099219, -117.497573

Top:  (feet)

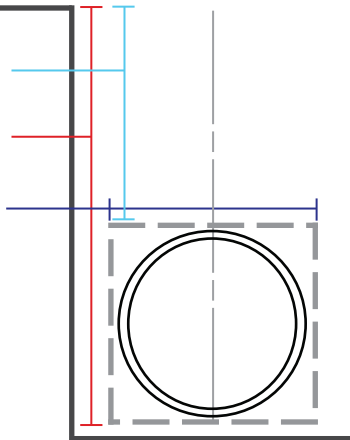
Bottom:  (feet)

Size:  (in)

Utility:

Material:

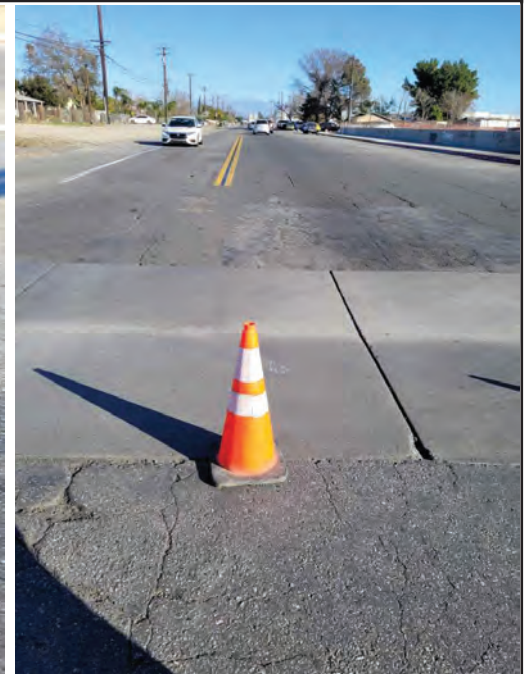
Direction:



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	24.30	N	Water Valve Cap	2	17.90	S	Water Valve Cap	3	7.20	W	Face of Concrete Gutter

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
6	Water	12	Steel	3.10	N-S	EB on Arrow Rte. South of address 8600.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-19-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 7	Location East Bound Arrow Blvd., South East of Address 14288.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

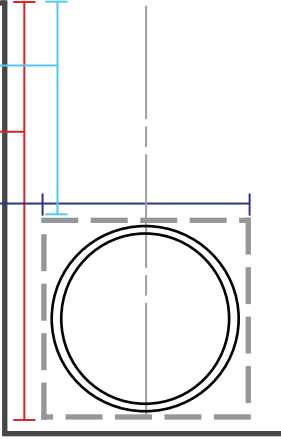
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099262, -117.493137

Encountered a gas line while excavating for the water. Please see report 7.1 for the details.

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	18.30	N	Water Valve Cap	2	26.00	NW	Water Valve Cap	3	49.80	S	Street Sign

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
7	Water	8	ACP	3.16	N-S	East Bound Arrow Blvd., South East of Address 14288.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-19-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 7.1	Location East Bound Arrow Blvd., South East of Address 14288.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

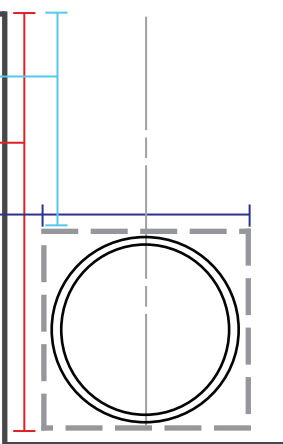
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



## Notes:

Approximate Coordinates: 34.099262, -117.493137

Encountered a two inch steel gas line running north to South at 2.86 ft. while looking for the water.

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	18.00	N	Water Valve Cap	2	25.60	NW	Water Valve Cap	3	49.30	S	Street Sign

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
7. 1	Gas	2	Steel	2.86	N-S	East Bound Arrow Blvd., South East of Address 14288.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





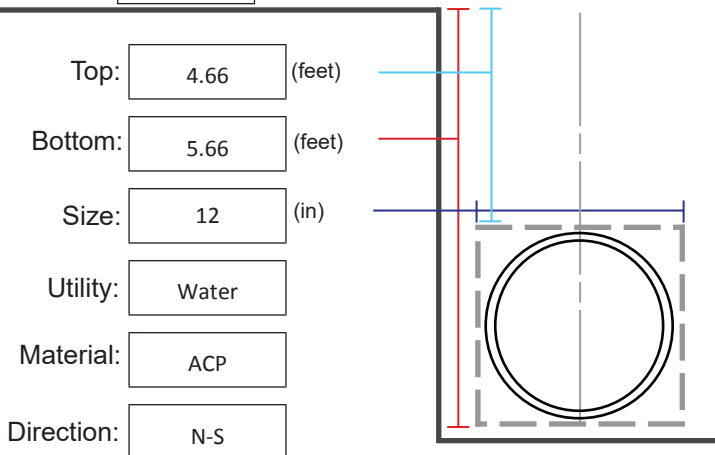
Technician Name Ruben Lopez		Date 12-20-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 8	Location South Bound Cherry Ave., South East of Address 8482.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

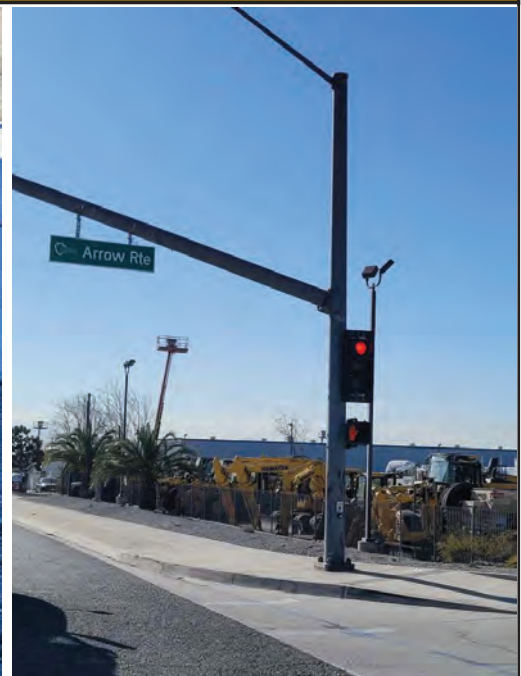
Approximate Coordinates: 34.099318, -117.488905



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	19.40	S	Water Valve Cap	2	16.90	E	Face of Concrete Gutter	3	73.30	NE	Signal Light Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
8	Water	12	ACP	4.66	N-S	South Bound Cherry Ave., South East of Address 8482.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-20-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 9	Location South Bound Cherry Ave., South East of Address 8482.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.099253, -117.488906

Encountered an unknown line. Please see report 9.1 for the details.

Top:  (feet)

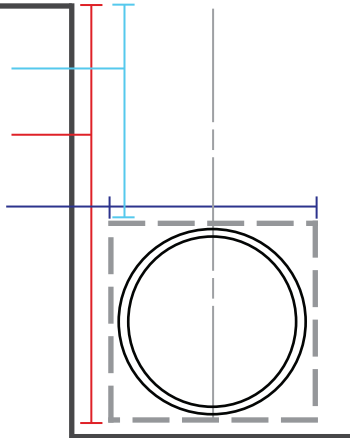
Bottom:  (feet)

Size:  (in)

Utility:

Material:

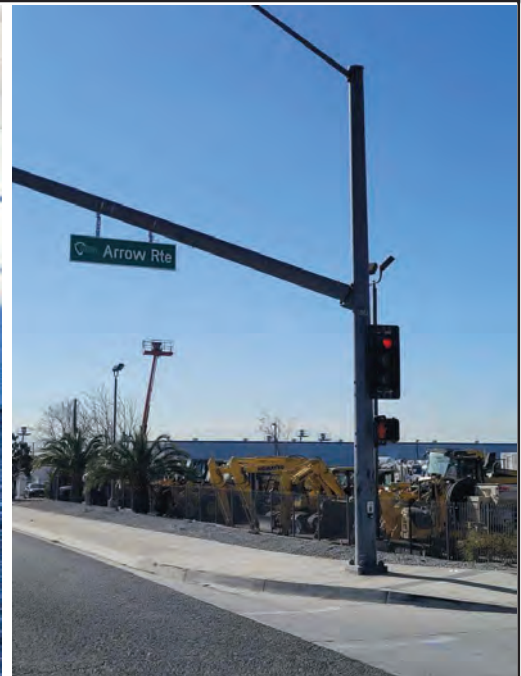
Direction:



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	29.70	S	Water Valve Cap	2	20.70	E	Face of Concrete Gutter	3	66.60	NE	Signal Light Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
9	Gas	24	Steel	7.22	NW-SE	South Bound Cherry Ave., South East of Address 8482.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-20-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 9.1	Location South Bound Cherry Ave., South East of Address 8482.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

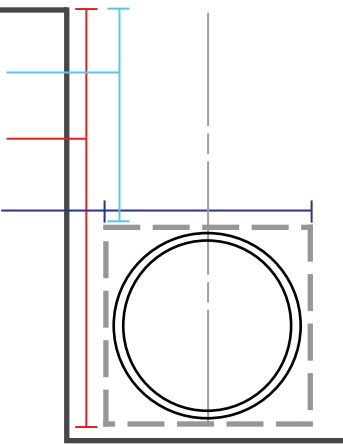
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

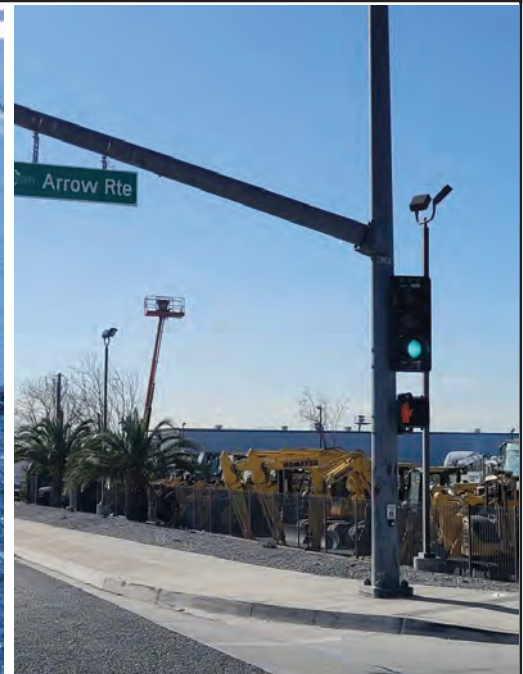
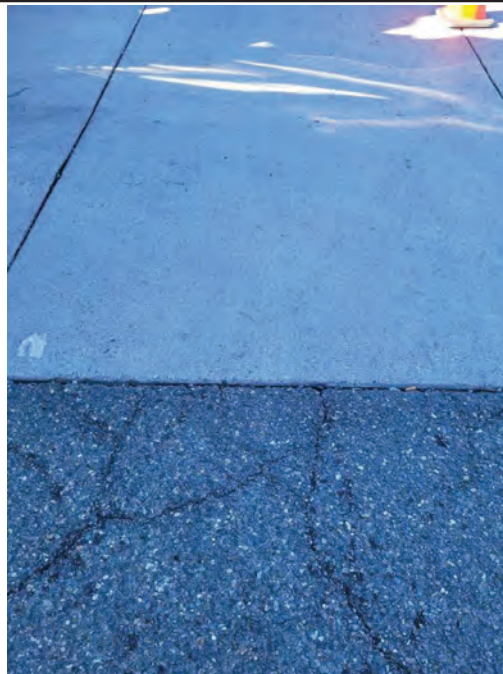
Approximate Coordinates: 34.099253, -117.488906

Encountered a bundle of (2) four inch PVC unknown lines running NW-SE at 3.20 ft.

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	30.00	S	Water Valve Cap	2	18.30	E	Face of Concrete Gutter	3	65.00	NE	Signal Light Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
9.1	Unknown	4	PVC	3.20	NW-SE	South Bound Cherry Ave., South East of Address 8482.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:



Technician Name Joe Martinez		Date 12-23-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc.		Contact Genesi Lozano	
Pothole No. 10	Location North Bound Cherry Ave., South West of 14512 Arrow Blvd.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

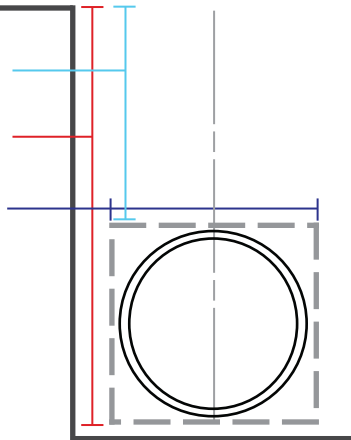
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



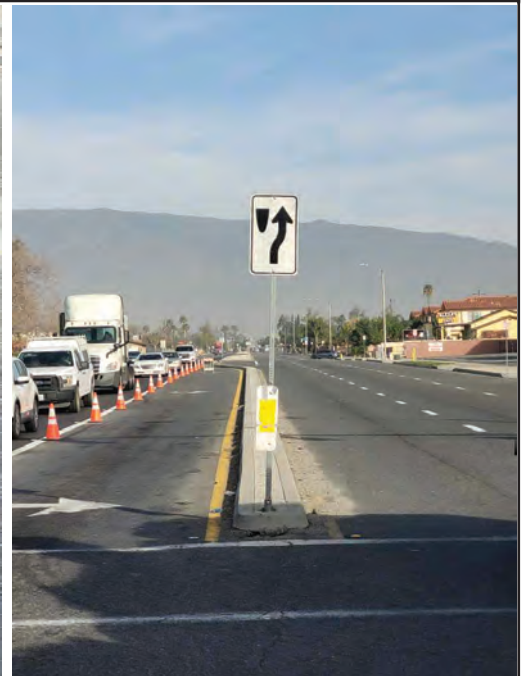
Notes:

Approximate Coordinates: 34.0993429, -117.4887760  
Satellite pothole performed due to USA markings being off about 3 ft., also markings show plastic line exposed 2 inch Steel. Encountered line backfilled in slurry.

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	19.90	SW	Water Valve	2	41.70	E	East Water Valve	3	61.60	S	Street Sign

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
10	Gas	2	Steel	2.82	N-S	North Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Joe Martinez		Date 12-23-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc.		Contact Genesi Lozano	
Pothole No. 11	Location North Bound Cherry Ave., South West of 14512 Arrow Blvd.		

Surface Type:       Profile View (not to scale)

Thickness:  (feet)      Measured Distance from Finished Surface

Top:  (feet)

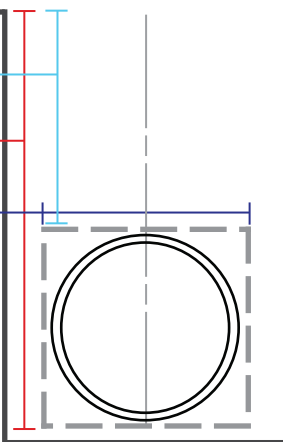
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.0993360, -117.4887257  
A lot of rocks encountered.

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	11.50	S	Water Valve	2	22.70	SW	Water Valve #2	3	55.60	E	East Water Valve

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
11	Water	12	ACP	4.42	N-S	North Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Joe Martinez		Date 12-23-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc.		Contact Genesi Lozano	
Pothole No. 12	Location North Bound Cherry Ave., South West of 14512 Arrow Blvd.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.0993351, -117.4887180  
Encountered slurry under asphalt to top of utility, also exposed a 2 inch conduit on top of encasement, possibly more parallel to it cannot confirm due to being hard slurry.  
Top of conduit at 5.18 ft.  
Tip of encasement at 5.46 ft.  
Bottom of encasement at 8.06 ft.

Top:  (feet)

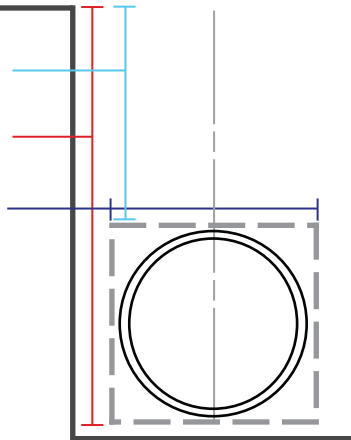
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	14.40	S	Water Valve	2	29.40	SW	Water Valve	3	48.40	E	East Water Valve

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
12	Electric	N/A	Encasement	5.18	N-S	North Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:



Technician Name Ruben Lopez		Date 12-19-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 13	Location East Bound Arrow Blvd., South East of Address 14690.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

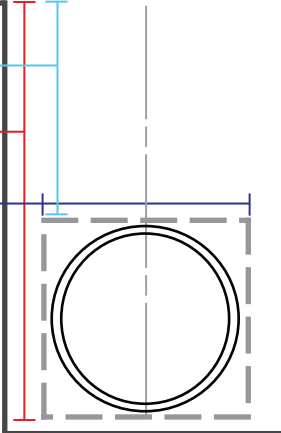
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099302, -117.484513

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	32.80	N	Water Valve Cap	2	30.30	S	Water Valve Cap	3	54.20	SE	Signal Light Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
13	Water	12	Steel	7.56	N-S	East Bound Arrow Blvd., South East of Address 14690.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-19-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 14	Location East Bound Arrow Blvd., South of Address 15130.		

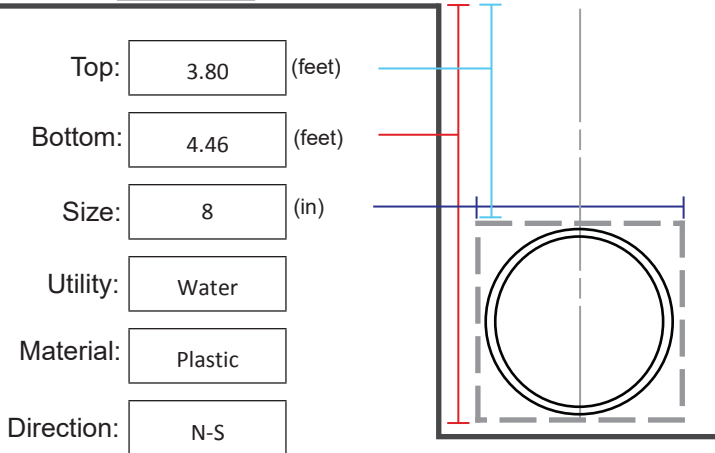
Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.099288, -117.475641

Encountered heavy amounts of rocks.



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	17.20	S	SCG Vavle Cap	2	29.60	N	Water Valve Cap	3	41.10	NW	Utility Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
14	Water	8	Plastic	3.80	N-S	East Bound Arrow Blvd., South of Address 15130.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-19-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 15	Location East Bound Arrow Blvd., North East of 8515 Beech Ave.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

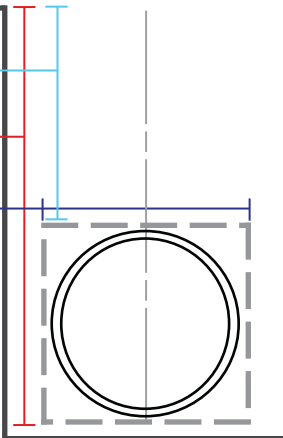
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099273, -117.471321

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	18.20	SW	Water Valve Cap	2	29.40	N	Water Valve Cap	3	33.20	W	Monument

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
15	Water	10	Concrete	2.90	N-S	East Bound Arrow Blvd., North East of 8515 Beech Ave.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-19-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 16	Location East Bound Arrow Blvd., North East of 8515 Beech Ave.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

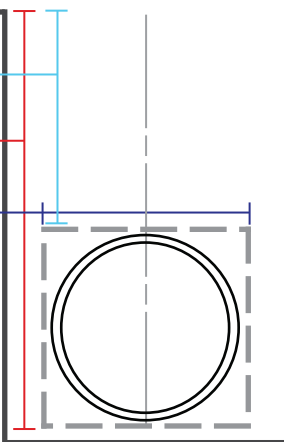
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099263, -117.471257

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	20.30	SE	Water Valve Cap	2	27.70	N	Water Valve Cap	3	11.10	W	Monument

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
16	Water	24	Concrete	5.00	N-S	East Bound Arrow Blvd., North East of 8515 Beech Ave.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-20-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 17	Location East Bound Arrow Blvd., North East of 8515 Beech Ave.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

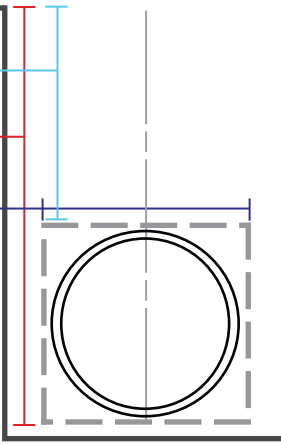
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.099260, -117.471161

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	8.50	E	Monument	2	34.00	SW	Sewer Manhole	3	55.40	NW	Signal Light Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
17	Gas	4	Steel	3.06	N-S	East Bound Arrow Blvd., North East of 8515 Beech Ave.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:

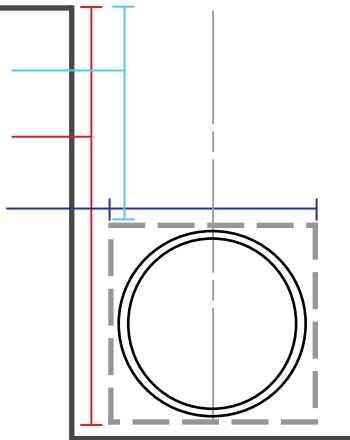




Technician Name Joe Martinez		Date 12-23-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc.		Contact Genesi Lozano	
Pothole No. 18	Location South Bound Cherry Ave., South West of 14512 Arrow Blvd.		

Surface Type:       Profile View (not to scale)  
 Thickness:  (feet)      Measured Distance from Finished Surface

Top:  (feet)  
 Bottom:  (feet)  
 Size:  (in)  
 Utility:   
 Material:   
 Direction:



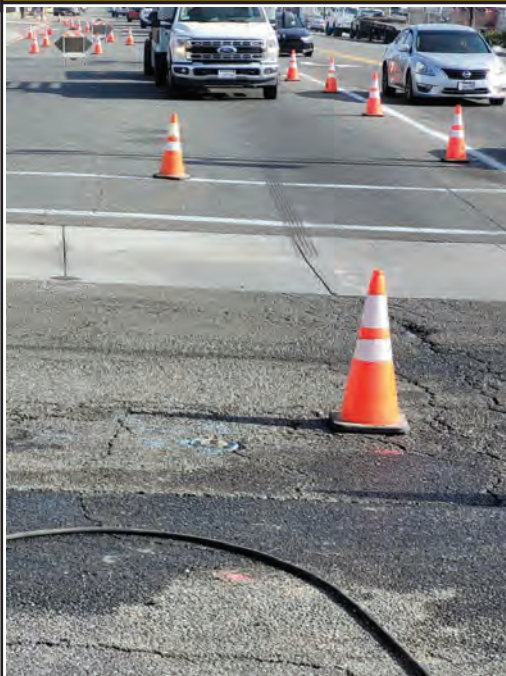
Notes:

Approximate Coordinates: 34.0993718, -117.4888374  
 Multiple lines exposed.

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	33.30	W	Water Valve	2	23.70	NE	East Water Valve	3	44.60	SW	Street Sign

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
18	Water	10	Concrete	4.44	E-W	South Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:



Technician Name Joe Martinez		Date 12-23-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc.		Contact Genesi Lozano	
Pothole No. 18.1	Location South Bound Cherry Ave., South West of 14512 Arrow Blvd.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Top:  (feet)

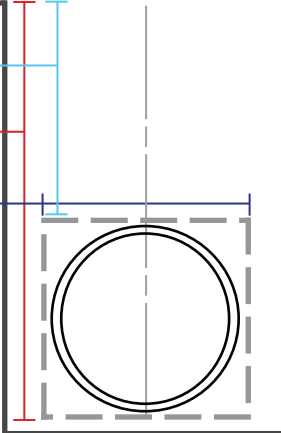
Bottom:  (feet)

Size:  (in)

Utility:

Material:

Direction:



Notes:

Unknown encasement exposed top and bottom.

## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	33.30	E	Water Valve	2	24.00	NE	Water Valve	3	44.20	SW	Street Sign

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
18.1	Unknown	N/A	Encasement	1.02	E-W	South Bound Cherry Ave., South West of 14512 Arrow Blvd.	Asphalt



Photo 1



Photo 2

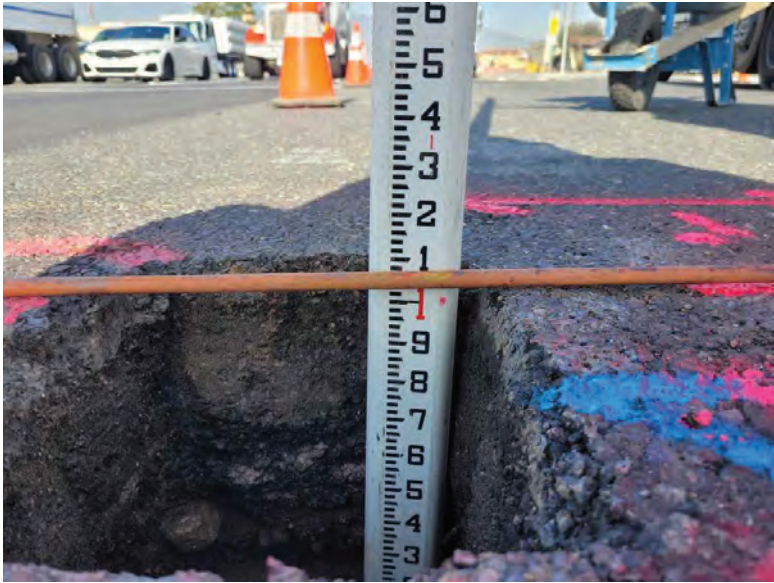


Photo 3



Photo 4

Comments:





Technician Name Joe Martinez		Date 12-23-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd, Fontana, CA	
Client Company TKE Engineering, Inc.		Contact Genesi Lozano	
Pothole No. 19	Location South Bound on Cherry Ave., West of Address 8215.		

Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.1043196, -117.4888528

Exposed three 2 inch conduits on top of encasement possibly more parallel to them., South edge of encasement exposed with top and bottom.

Top of conduits at 2.42 ft.

Top of Encasement at 3.14 ft.

Bottom of Encasement at 5.06 ft.

Top:  (feet)

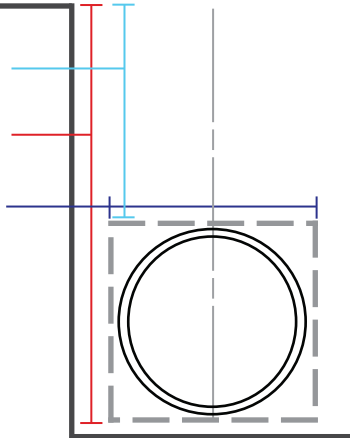
Bottom:  (feet)

Size:  (in)

Utility:

Material:

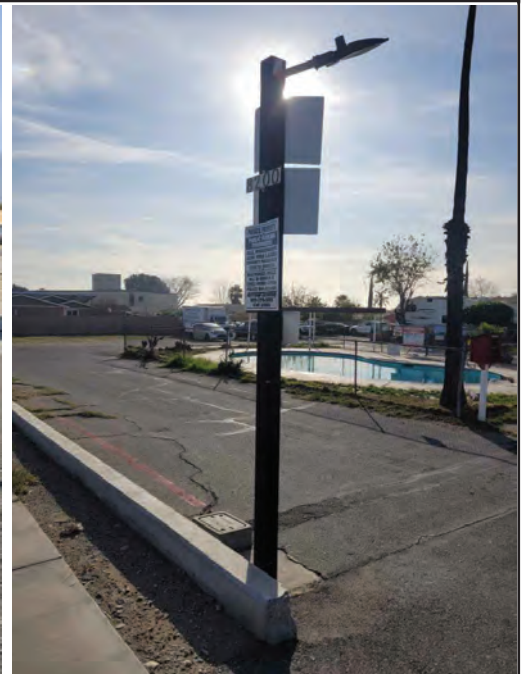
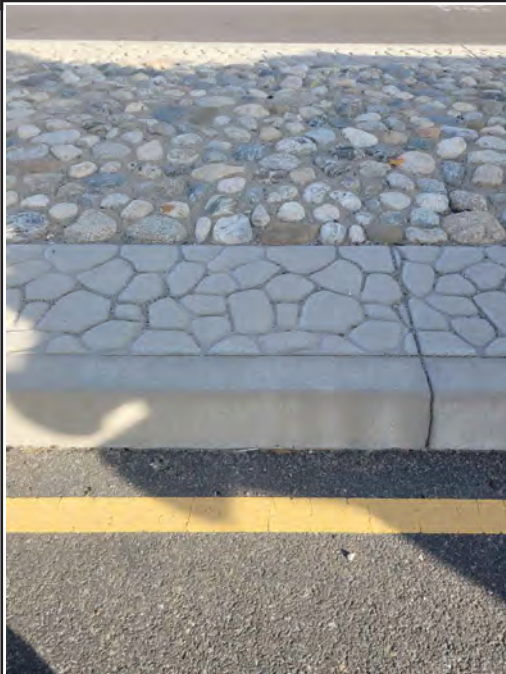
Direction:



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	5.90	W	Face of Curb	2	48.10	SE	Comm. MH	3	57.40	NE	Light Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
19	Electric	N/A	Encasement	2.42	E-W	South Bound on Cherry Ave., West of Address 8215.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





Technician Name Ruben Lopez		Date 12-19-2024	C Below Project No. 08-240814-0
Project Name City Of Fontana Arrow Blvd Sewer Main Potholing		Project Address Arrow Blvd Fontana, CA	
Client Company TKE Engineering, Inc		Contact Genesi Lozano	
Pothole No. 20	Location North Bound Beech Ave., North West of Address 8153.		

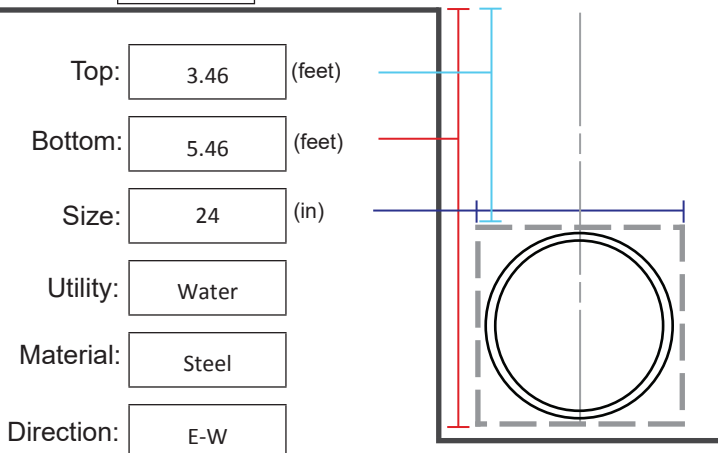
Surface Type:  Profile View (not to scale)  
Measured Distance from Finished Surface

Thickness:  (feet)

Notes:

Approximate Coordinates: 34.105640, -117.471160

Encountered heavy amounts of rocks.



## PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	5.50	N	Water Valve Cap	2	32.70	S	Stop Sign	3	43.60	NE	Utility Pole

## LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
20	Water	24	Steel	3.46	E-W	North Bound Beech Ave., North West of Address 8153.	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:









CONTRACTOR: \_\_\_\_\_

## **ITEMIZED BID PROPOSAL**

<b>ITEMIZED BID SCHEDULE: BASE BID (Arrow Route from Illex St to Beech Ave Sta. 140+63.84)</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL EXTENSION</b>
1	Mobilization/Demobilization/Permits	1	LS		
2	Storm Water Pollution Prevention Plan and Implementation	1	LS		
3	Traffic/Pedestrian Control, Public Convenience and Safety	1	LS		
4	Verification of Underground Utility Locations (Potholing)	1	LS		
5	Trench Safety, Sheet piling, Shoring, and Bracing Excavation	1	LS		
6	Furnish, Install, and Maintain Project Identification Signs	2	EA		
7	Construct 8" SDR-26 Polyvinyl Chloride Sewer per City of Fontana Standard Plan No. 2009	874	LF		
8	Construct 10" SDR-26 Polyvinyl Chloride Sewer per City of Fontana Standard Plan No. 2009	30	LF		
9	Construct 12" SDR-26 Polyvinyl Chloride Sewer per City of Fontana Standard Plan No. 2009	5332	LF		
10	Construct 15" SDR-26 Polyvinyl Chloride Sewer per City of Fontana Standard Plan No. 2009	7700	LF		
11	Construct 4' Manhole per City of Fontana Standard Plan No. 2000 and 2001	32	EA		
12	Construct 5' Modified Manhole per City of Fontana Standard Plan No. 2000 and 2001	19	EA		
13	Construct Watertight Bulkhead at Pipe End	14	EA		
14	Force Account	1	LS		\$250,000.00



	<b>TOTAL BASE BID</b>				\$
--	-----------------------	--	--	--	----

The undersigned hereby agrees to furnish all materials, labor, tools, equipment, apparatus, facilities, and transportation necessary to complete all work in strict conformity with the drawings and specifications, and to execute the contract to the satisfaction of the County, at the following cost(s):

**Total Base Bid of Items 1-14**

\$ \_\_\_\_\_ (Dollars)

The above-mentioned TOTAL BASE BID includes applicable California state sales tax, bonds, fees, insurance and all other costs required to perform all the work described in the project drawings and specifications.

<b>ITEMIZED BID SCHEDULE: BID Additive No. 1 (Illex Manhole Connection Sta. 9+98.02)</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL EXTENSION</b>
1	Reconstruct Existing Manhole Base per Detail 1 Sheet 3	1	EA		
2	Storm Water Pollution Prevention Plan and Implementation	1	LS		
3	Traffic/Pedestrian Control, Public Convenience and Safety	1	LS		
4	Verification of Underground Utility Locations (Potholing)	1	LS		
5	Trench Safety, Sheet piling, Shoring, and Bracing Excavation	1	LS		
	<b>ADDITIVE TOTAL BASE BID NO. 1</b>				\$

The undersigned hereby agrees to furnish all materials, labor, tools, equipment, apparatus, facilities, and transportation necessary to complete all work in strict conformity with the drawings and specifications, and to execute the contract to the satisfaction of the County, at the following cost(s):

**Total Additive Bid No. 1 of Item 1-5 \$ \_\_\_\_\_ (Dollars)**

The above-mentioned ADDITIVE BID NO. 1 includes applicable California state sales tax, bonds, fees, insurance and all other costs required to perform all the work described in the project drawings and specifications.



<b>ITEMIZED BID SCHEDULE: BID ADDITIVE NO. 2 (Cherry Ave. from Arrow Route to Sta. 35+34.88)</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL EXTENSION</b>
1	Construct 8" SDR-26 Polyvinyl Chloride Sewer per City of Fontana Standard Plan No. 2009	2572	LF		
2	Construct 4' Manhole per City of Fontana Standard Plan No. 2000 and 2001	9	EA		
3	Construct Watertight Bulkhead at Pipe End	3	EA		
4	Storm Water Pollution Prevention Plan and Implementation	1	LS		
5	Traffic/Pedestrian Control, Public Convenience and Safety	1	LS		
6	Verification of Underground Utility Locations (Potholing)	1	LS		
7	Trench Safety, Sheet piling, Shoring, and Bracing Excavation	1	LS		
	<b>ADDITIVE TOTAL BASE BID NO. 2</b>				<b>\$</b>

**Total Additive Bid No. 2 of Items 1-7 \$ \_\_\_\_\_ (Dollars)**

The above-mentioned ADDITIVE BID NO.2 includes applicable California state sales tax, bonds, fees, insurance, and all other costs required to perform all the work described in the project drawings and specifications.

<b>ITEMIZED BID SCHEDULE: BID ADDITIVE NO. 3 (Beech Ave. from Arrow Route to Sta. 35+87.79)</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL EXTENSION</b>
1	Construct 8" SDR-26 Polyvinyl Chloride Sewer per City of Fontana Standard Plan No. 2009	2534	LF		
2	Construct 4' Manhole per City of Fontana Standard Plan No. 2000 and 2001	11	EA		
3	Construct Watertight Bulkhead at Pipe End	1	EA		
4	Storm Water Pollution Prevention Plan and Implementation	1	LS		



5	Traffic/Pedestrian Control, Public Convenience and Safety	1	LS		
6	Verification of Underground Utility Locations (Potholing)	1	LS		
7	Trench Safety, Sheet piling, Shoring, and Bracing Excavation	1	LS		
	<b>ADDITIVE TOTAL BASE BID NO. 3</b>				\$

**Total Additive Bid No. 3 of Items 1-7 \$ \_\_\_\_\_(Dollars)**

The above-mentioned ADDITIVE BID NO.3 includes applicable California state sales tax, bonds, fees, insurance, and all other costs required to perform all the work described in the project drawings and specifications.

**Total: Base Bid + Additive Bid No. 1 + Additive Bid No. 2 + Additive Bid No. 3:  
\$ \_\_\_\_\_(Dollars)**

The quantities listed in the Itemized Bid Proposal are only an estimate for each of the items. The actual quantities encountered may be different and compensation will be based on the unit prices established above. In case of discrepancies between the "Unit Cost" and the "Total Extension", the "Unit Cost" shall prevail.

The County requires bids to include prices for items that may be added to, or deducted from, the scope of work in the contract for which the bid is being submitted. Pursuant to Public Contract Code Section 20103.8(b), for the purpose of determining the lowest bid price, **the County shall determine the low bid to be the lowest total of the bid prices on the Total Base Bid Plus Additive Bid No. 1, Additive Bid No. 2, and Additive Bid No. 3 (Total Base Bid + Additive No. 1 + Additive No. 2 + Additive No. 3).**

If awarded, the contract shall be awarded to the lowest responsive, responsible bidder. This Section does not preclude the County from adding to or deducting any of the additive or deductive items after the lowest responsible bidder has been determined. **Failure to provide a cost for the additive or deductive bid items shall render the bid non-responsive.**



## **BID DEPOSIT**

There is enclosed herewith, a certified check or surety bond in the amount of ten percent (10%) of the TOTAL BASE BID, or, more specifically, \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_), made payable to the County. The undersigned agrees that in the event of the failure by the undersigned to execute the necessary contract and furnish the required contract bonds and insurance, the certified check or surety bond and the money payable thereon shall be, and remain, the property of County. If the bid is accompanied by a certified or cashier's check, the check shall be deposited by County, and a County warrant for the full amount shall be issued to the undersigned within sixty (60) days from the time the Contract award is made by the County.

If the bid is submitted through the County Electronic Procurement Network (ePro) then scan the bid security (bid bond) and submit the scanned copy with your bid submittal in ePro, additionally, mail or submit the original bid security, in a separate sealed envelope labeled "Bid Bond" with the title of the work and the name of the bidder clearly marked on the outside, to: Department of Public Works – Special Districts, 222 Hospitality Lane, Second Floor, San Bernardino, California, 92415-0450. **Any mailed or submitted bid security must be received on or before the time set for the opening of the bids.**

## **TIME**

If the proposal is accepted, the undersigned agrees to execute the required agreement and furnish complete insurance certificates with all endorsements along with the returned signed agreements within ten (10) calendar days of the County providing the Contract to bidder. The undersigned agrees to supply the required bonds within ten (10) calendar days from the date of the execution of the Contract.

## **TIME OF COMPLETION**

The undersigned agrees to complete the Work in **330 CALENDAR DAYS** after the "Notice to Proceed" is issued by the County. Refer to Bid Package for additional information and completion schedule requirements.

## **LIQUIDATED DAMAGES**

Pursuant to the provisions of Government Code section 53069.85 and in the event that all the Work called for in this Contract is not completed within the number of calendar days set forth, Contractor shall forfeit and pay to the County the sum of **\$2,000 per calendar day** for each calendar day the work remains incomplete. The sum shall be deducted from any payments due or to become due to Contractor or if that sum is insufficient will be paid by Contractor to County (See General Conditions).

## **REJECTION OF BIDS**

The undersigned agrees that the County reserves the right to reject any or all bids, and reserves



the right to waive informalities in a bid not affected by law, if to do so seems to best serve the public interest.

### **VALIDITY OF BIDS**

The undersigned agrees that this bid will remain valid for 60 days after the bid opening.

### **STATE LICENSES**

The undersigned hereby certifies that it is currently the holder of a valid California Class "A" (General Engineering), or "C-34" (Pipeline) contractor's license as a contractor in the State of California and that the license is the correct class of license for the work described in the project drawings and specifications. The undersigned also certifies that all subcontractor(s) listed under the Designation of Subcontractors section of the Bid Proposal are currently the holder of a valid contractor's license(s) in the State of California and the license is the correct class of license for the work to be performed by the subcontractor(s).

### **INSURANCE**

The undersigned agrees to furnish certified copies of all insurance policies and endorsements; all certificates of comprehensive, general and auto liability insurance; Workers' Compensation insurance; and such other insurance that will protect undersigned and County from claims for damages and personal injury, including death, which may arise from operations under the contract, whether such operation be by the undersigned or by any subcontractor of the undersigned, or anyone directly or indirectly employed by the undersigned or any subcontractor of the undersigned in accordance with the General Conditions. The undersigned agrees to provide the Certificates of Insurance and Endorsements to County at the time Contractor executes the contract. All policies (excluding Workers' Compensation) shall name San Bernardino County as additional insureds. All coverage shall be subject to approval by the County for adequacy of protection.

### **BONDS AND CONTRACT**

The undersigned agrees to execute the required standard contract and to furnish the County with a satisfactory labor and material bond and faithful performance bond, each bond in an amount equal to 100% of the Contract Sum. The bonds shall be secured from a surety company, or surety companies, satisfactory to the County within ten (10) calendar days of the contract award and shall be on County approved bond forms.

### **DEPOSIT SECURITIES**

Contractor may upon written request, and at their expense and after approval by the County, deposit substitute securities as described in Public Contract Code section 22300, in lieu of retention monies withheld to insure performance.

### **FORMER COUNTY OFFICIALS**

Contractor agrees to provide or has already provided information on former San Bernardino County administrative officials (as defined below) who are employed by or represent Contractor. The information provided includes a list of former county administrative officials who terminated county



employment within the last five years and who are now officers, principals, partners, associates or members of the business. The information also includes the employment with or representation of contractor. For purposes of this provision, "county administrative official" is defined as a member of the Board of Supervisors or such officer's staff, Chief Executive Officer or member of such officer's staff, county department or group head, assistant department or group head, or any employee in the Exempt Group, Management Unit or Safety Management Unit.

### **INACCURACIES OR MISREPRESENTATIONS**

If during the course of the administration of this agreement the County determines that the Contractor has made a material misstatement or misrepresentation or that materially inaccurate information has been provided to the County, this Contract may be immediately terminated. If this contract is terminated according to this provision, the County is entitled to pursue any available legal remedies.

### **VISITING THE SITE**

The undersigned has thoroughly examined the drawings, specifications and signed addenda (if any), has visited the site and is thoroughly familiar with the contents and all of the conditions thereof.

### **DESIGNATION OF SUBCONTRACTORS**

In compliance with the provisions of Section 4100-4108 of the Public Contract Code of the State of California, and any amendments thereof, the undersigned shall list on the designated form, the name, location of the place of business, the California contractor license number and the Department of Industrial Relations registration number of each proposed subcontractor who will perform work or labor or render services to the principal Contractor in an amount greater than one-half of one percent (.5%) of the total bid; and shall state the portions of the Work which will be done by each such subcontractor.

If the undersigned fails to specify a subcontractor for any work to be performed under the contract, the undersigned agrees to perform the work and shall not be permitted to subcontract that work except in cases of public emergency, and then only after written finding as public record by the Board of Supervisor of San Bernardino County.

The undersigned certifies that all subcontractor(s) listed are currently the holder of valid contractor's license(s) in the state of California and the license(s) is the correct class of license for the work to be performed by the subcontractor(s).

The undersigned certifies that it and all subcontractor(s) listed have registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. The undersigned agrees that no contractor or subcontractor may be awarded a contract for public work or perform work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. The undersigned acknowledges that the project is subject to compliance monitoring



and enforcement by the Department of Industrial Relations.

As required by Labor Code section 1771.1(a) "A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded."

Where a hearing is required for a decision on the substitution of subcontractors, pursuant to the provisions of Chapter 4, Part 1, Division 2, of the Public Contract Code, (commencing with Section 4100-4108) by the awarding authority, or a duly appointed hearing officer, the Director of Special Districts or his/her designee, shall prepare and certify a statement of costs incurred by the County for investigation, and to conduct the hearing, including the costs of any hearing officer and shorthand reporter appointed. For the purposes of a hearing for the substitution of subcontractors (pursuant to the Public Contract Code commencing with Section 4100) the awarding authority shall be the Director of the Department of Public Works - Special Districts, or his/her designee.

The statement of costs shall be sent to the undersigned, who shall reimburse the County for all costs. If not paid separately, such reimbursement shall be deducted from monies due and owing to the undersigned prior to acceptance of the project.

**ADDENDA:**

If any addendums are issued during the bid solicitation period, bidder shall be responsible for ensuring that they have received all addenda issued for the Project. The submittal of a bid shall be deemed to be based on the Bid Documents, as modified and/or clarified by any and all addenda.



## DECLARATION

The undersigned has submitted with the bid proposal a non-collusion declaration, signed under penalty of perjury. The undersigned agrees to furnish the County non-collusion declarations for subcontractors signed under penalty of perjury, and states that this is a genuine proposal and is neither collusive nor made in the interest of any other person, and has not induced anyone to submit a sham bid or refrain from bidding.

**The undersigned acknowledges it has registered with the ePro system prior to the date and time to receive sealed bids or it will be disqualified.**

The undersigned declares: that the only person or parties interested in this proposal as principles are those named herein; that this bid is made without any connection with any other person or persons making a bid for the same work, except for another division of the undersigned which may submit an independent bid; that the bid is in all respects fair and without collusion or fraud; that the undersigned has read the Advertisement for Bids and the Instructions to Bidders and agrees to all the stipulations contained therein; that the undersigned has examined the form of Contract (including the specifications, drawings, and other documents incorporated therein by reference); that in the event this bid as submitted, including the incorporated bidding documents, be accepted by the County, the undersigned shall execute a Contract to perform the work as outlined herein.

If undersigned is a corporation, proposal must be signed by an authorized officer of the corporation.

If the bid proposal is submitted through ePro the undersigned acknowledges that its electronic signature is legally binding.

Check one: ( ) Sole Proprietor ( ) Partnership ( ) Corporation ( ) Other

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Fax No.: (\_\_\_\_) \_\_\_\_\_

Contractor's License No.: \_\_\_\_\_ Primary Class \_\_\_\_\_

Expiration Date of Contractor's License \_\_\_\_\_

DIR Registration # \_\_\_\_\_



Federal Employee ID No.: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

1. Attached is the required bid security in the amount of not less than 10% of the Total Bid Price.
2. Attached is the fully executed Non-Collusion Declaration form.
3. Attached is the completed Contractor Certification In-Use Off-Road Diesel Fueled Fleet form.
4. Attached is the completed Designation of Subcontractors form.
5. Attached is the completed Bidder Information Form.
6. Attached is the completed Iran Contracting Act Certification.

I hereby certify under penalty of perjury under the laws of the State of California that all of the information submitted in connection with this Bid and all of the representations made herein are true and correct.

Authorized Signature: \_\_\_\_\_ Title: \_\_\_\_\_

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



San Bernardino County

DEPARTMENT OF PUBLIC WORKS - SPECIAL DISTRICTS

Administrative Office ♦ Project Management Division

222 W. Hospitality Lane, San Bernardino, CA 92415-0450

Phone: (909) 386-8800

Arrow Route Sewer Main Project

Mandatory Pre-Bid Meeting Sign-In Sheet

March 11, 2025 – 10:00 a.m.

PLEASE PRINT ALL SIGN-IN INFORMATION CLEARLY

1	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	Attendee Name		EMAIL ADDRESS
	Norstar Plumbing and Dry Inc.	prime	909-481-9488
	Nathan Plummer		Nathan@norstarpipeinc.com
2	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	Attendee Name		EMAIL ADDRESS
	Steve P. Rados	Prime	951-675 4315
	Jesus E. Munoz Jr.		jmunoz@rados.com
3	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	Attendee Name		EMAIL ADDRESS
	Kec Environmental	Prime	951-734-3010
	Poncah Castaneda		CHARLES@KECEMAILINC.COM RAY@KECEMAILINC.COM



# Arrow Route Sewer Main Project

March 11, 2025

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COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
CEM construction		5307613286
ATTENDEE NAME	EMAIL ADDRESS	
Gurpeth Henry	estimating@cem-construction.com	

COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
Rambler Inc	Prime	624 355 1350
ATTENDEE NAME	EMAIL ADDRESS	
Michael Gibson	michael.gibson@rambler.com	

COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
MNR construction	Prime	Dubie@mrconst.com 818-271-7242
ATTENDEE NAME	EMAIL ADDRESS	

COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
BIL BENDERSON		949 436 1601
ATTENDEE NAME	EMAIL ADDRESS	
BRIAN WAGNER	Brian@BilBenderson.com	

# Arrow Route Sewer Main Project

March 11, 2025

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COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
THE ENGINEERING		760 267 7448
ATTENDEE NAME		EMAIL ADDRESS
Shelby Kelley		Shelley@theengineering.com

COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
Mike Richard Sons Inc.		626 813 1700
ATTENDEE NAME		EMAIL ADDRESS
Ken Doe		Bids@mrkrichardsons.com

COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
Tonyco General Engineering		909-253-8689
ATTENDEE NAME		EMAIL ADDRESS
Bryan Barks		TonyKintley@yahoo.com

COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
CITY of Fontana		909-350-6555
ATTENDEE NAME		EMAIL ADDRESS
City of Fontana (pu)		909 350-6555



Arrow Route Sewer Main Project

March 11, 2025

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12	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	TK Construction	Prime	909- <del>6184</del> 473-8739.
	ATTENDEE NAME	EMAIL ADDRESS	
	Treor Doyle		Office: TKDOA@gmail.com

13	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	EMPIRE EQUIPMENT SERVICE	Prime	951-681-1345
	ATTENDEE NAME	EMAIL ADDRESS	
	GIO MORALES		ESTIMATING@EMPIRE-EQUIPMENT-SERVICE.COM

14	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	CEL Contracting, Inc.	Prime	760 317-8406
	ATTENDEE NAME	EMAIL ADDRESS	
	Eric Carmichael		ECARMCELL@gmail.com

15	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	WELKA Inc	Prime	909-645-4418
	ATTENDEE NAME	EMAIL ADDRESS	
	STEVE HYMKE		welka inc@gmail.com

Arrow Route Sewer Main Project

March 11, 2025

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16	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	Gentry General Engineering Inc.	prime	(909) 330-1128
	ATTENDEE NAME	EMAIL ADDRESS	
	Andrea Seabrogh		gentrygeneral@gmail.com

17	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	Sewer Tech Corp	Sub	(714) 862-3401
	ATTENDEE NAME	EMAIL ADDRESS	
	Sharon Farmer		Estimating@SewerTechcorp.com

18	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	Downing Construction Inc	Prime	909-797-7444 x4
	ATTENDEE NAME	EMAIL ADDRESS	
	Michelle LabanDary		kevin@downingconstructioninc.com

19	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	City of Fontana	City	(909) 350-6642
	ATTENDEE NAME	EMAIL ADDRESS	
	Stephany Morroy		emorroy@fontana.ca.gov



Arrow Route Sewer Main Project

March 11, 2025

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20	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	THE ENGINEERING, INC		951 680 0440
	ATTENDEE NAME	ENGINEER	EMAIL ADDRESS
TERRY RENNERT			trenner@theengineering.com

21	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	ATTENDEE NAME		EMAIL ADDRESS

22	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	ATTENDEE NAME		EMAIL ADDRESS

23	COMPANY NAME	PRIME or SUB	CONTACT PHONE NUMBER
	ATTENDEE NAME		EMAIL ADDRESS

DEPARTMENT OF PUBLIC WORKS TRANSPORTATION PERMITS  
SCHEDULE OF FEES

REVISED FEE SCHEDULE  
Effective date to be July 1, 2024

(a)	(1)	Plan Review .....	Actual Cost
	(A)	Initial deposit (per sheet) .....	\$387.00
	(2)	Application and Issuance	
	(A)	Special Event*	
		(I) Event (no field review) .....	\$95.00
		(II) Event (meetings and/or field review required) .....	\$71.00
		(III) Annual Permit (one venue, events specified) .....	\$151.00
	(B)	Moving	
		(I) (overweight and over-dimension single trip permit) .....	\$16.00
		(II) Variance Load .....	\$46.00
		(III) Annual or repetitive moving .....	\$90.00
		(IV) Rider to moving permit .....	\$16.00
	(C)	Construction .....	\$302.00
	(D)	Encroachment .....	\$264.00
	(E)	Minor Encroachment .....	\$95.00
	(F)	Special Encroachment (field review required) .....	\$196.00
		In addition to 16.0225(a)(2)(D), an additional fee of \$196 will be charged for permits that require a field review prior to issuance.	
	(G)	Tract*** .....	\$477.00
	(H)	Excavations** .....	\$208.00
	(I)	Tree removal .....	No fee
	(J)	Filming permit .....	\$228.00
	(K)	Road closure permit .....	\$732.00
	(L)	Rider to permit (amendment) .....	\$79.00
	(M)	Pavement Structural Section Analysis .....	\$173.00/core/soil sample
	(N)	Conditional Utility Work Authorization .....	\$221.00
	(O)	Adopt-a Road Program or Neighborhood Watch:	
		(I) Adopt a road/Neighborhood Watch .....	No Fee
		(II) Adopt a road Pole placement with sign .....	\$211.00
		(III) Neighborhood Watch Pole placement without sign .....	\$167.00
		(IV) Sign only .....	\$54.00
(3)		Inspection Fees:	
	(A)	Based on linear feet of trench/bore excavation:	
		(I) 0-25 linear feet of trench .....	\$130.00
		(II) 26-1000 linear feet of trench .....	\$352.00
		(II) 1001 linear feet or higher .....	\$418.00
	(B)	Miscellaneous encroachments:	
		(I) Residential driveway .....	\$159.00
		(II) Commercial driveway .....	\$212.00
		(II) Other encroachments with a value under \$4,000 .....	\$371.00
		(IV) Minor encroachments with a value under \$1000 .....	\$127.00
	(C)	Special Event Inspection Fees .....	Actual Cost
		(I) Initial deposit .....	\$848.00
	(D)	Minor Inspections under Annual Permit .....	\$65.00
	(E)	Public Road Improvements Required:	
		(I) Non-Tract Commercial Inspection fees .....	Actual Cost
		(i) Initial deposit .....	\$1,080.00
		(II) Non-Tract Residential Inspection fees .....	Actual Cost
		(i) Initial deposit .....	\$544.00
		(III) Tract Inspection fees .....	Actual Cost
		(i) Initial deposit .....	3/4 of 1% of value of work
	(F)	Filming Inspection .....	\$58.00 per day
	(G)	Road Closure Inspection .....	\$63.00 per day

Notes: Security deposits may be required at the time of application:

*Special Event Permit (optional for use of barricades) .....	\$200
** Excavation Permit .....	\$1,000
***Tract Permit .....	\$3,000