Sample Construction Co.
9800 Chisholm Trail, Round Rock, TX 78681
(512) 555-0140 TX Reg. 20419

Job Hazard Analysis

Form JHA-0001 Rev. 3



Where the work is: east shoulder of Elm St at Sta 14+00, looking north. Photo Oct 6, 6:40 AM.

Job / task
Storm drain trench, Sta 14+00 to 16+50

Location
Elm Street, east shoulder, Round Rock, TX

Date
Tue, Oct 6, 2026 Crew size 7

Supervisor
Marcus Hill

Competent person
Marcus Hill (excavation)

Scope of work
Install 250 ft of 24-in. RCP storm line, 7 to 10 ft deep. Type C soil (disturbed fill). Steel trench box 8 x 20 ft rated for the depth; 10 ft box past Sta 15+50. Spoils on the east side, 2 ft back. Backfill and compact in 12-in. lifts.

Conditions today
Sunny, 94 °F by noon, heat index 101 °F. Light traffic on Elm St. School zone 7:00–8:00 AM.

PPE required
- [X] Hard hat
- [X] Safety glasses
- [X] Class 2/3 vest
- [X] Work gloves
- [X] Safety-toe boots
- [X] Hearing protection
- [ ] Respirator
- [ ] Fall protection

Permits
- [X] Excavation
- [X] Traffic control / lane closure
- [ ] Hot work
- [ ] Confined space

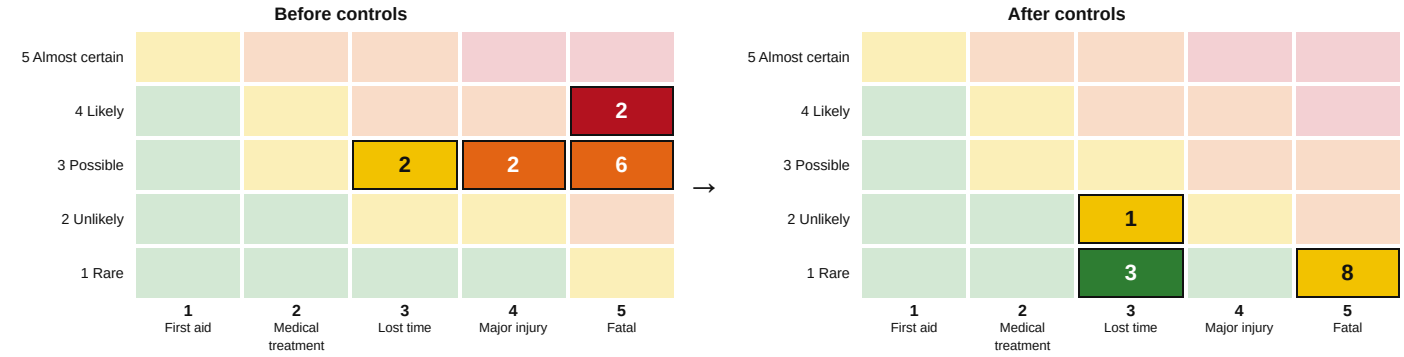
If someone is hurt
Call 911 and give this address: 1400 Elm St, Round Rock, TX, east shoulder at Sta 14+00. Nearest ER: St. David's Round Rock Medical Center, 9 min.

First aid and AED
First aid and CPR: Marcus Hill, Dale Whitaker. AED and kit: truck 14.

Muster point
Oak St gate, north end of the closure. Foreman counts heads.

Risk before and after controls

12 hazards. Before controls: 2 critical, 8 high, 2 medium. After: 9 medium, 3 low.



Score = likelihood × severity. Low 1–4, medium 5–9, high 10–16, critical 20–25. Counted from the steps on page 2. It changes on its own when a hazard or a control changes.

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#	Job step, in order	What could go wrong	How we prevent it	Who	Risk before / after
1	**Set up traffic control**	Struck by traffic while placing signs and cones 1926.200(g), 1926.201(a); MUTCD Part 6	• Set up from the advance warning area toward the work, with traffic • Shadow vehicle with arrow board • Class 2 vest by day, Class 3 at night • Take down in reverse order	Ana Beltrán	High 15 (3×5) Medium 5 (1×5)
2	**Pre-shift equipment check**	Bad brakes, backup alarm, seat belt or ROPS 1926.20(b)(2)–(3); 1926.602(a)(2), (a)(9)	• Walk-around and function check before use, written down • A defective machine is tagged out until it's fixed	Tomás Rivera	High 15 (3×5) Medium 5 (1×5)
3	**Locate utilities, set up the site**	Hitting a buried gas, electric or water line 1926.651(b)(1)–(4)	• 811 ticket confirmed and marks visible before the first bucket • Hand-dig or vacuum within 18 in. of each side of the marked line (Texas tolerance zone) • Support exposed lines	Marcus Hill	High 15 (3×5) Medium 5 (1×5)
		Public or traffic entering the work zone 1926.651(d), 1926.200–.201	• Barricades and fence around open cuts • Flaggers in Class 2/3 vests	Ana Beltrán	Medium 9 (3×3) Low 3 (1×3)
4	**Classify soil, pick the protective system**	Cave-in from misjudged soil (treat as Type C unless tested) 1926.652(a)–(c); Subpart P App. A–B	• Competent person runs at least one visual and one manual test • Type C: trench box, tabulated data in the truck	Marcus Hill	High 15 (3×5) Medium 5 (1×5)
5	**Excavate and place spoils**	Struck by the bucket or the swing of the excavator 1926.602(a)(9), 1926.651(e)	• Nobody in the swing radius • Eye contact with the operator before approaching • Spotter for backing	Everyone	Critical 20 (4×5) Medium 5 (1×5)
		Spoils or equipment loading the trench edge 1926.651(j)(2)	• Spoils and equipment at least 2 ft back from the edge	Tomás Rivera	High 12 (3×4) Low 3 (1×3)
6	**Set the trench box**	Struck by the box during the lift 1926.651(e); 1926.1425	• Tag lines on the box, nobody under or beside the load • Rigging checked by the competent person before each lift • Operator and rigger agree on hand signals first • Past Sta 15+50: switch to the 10 ft box before anyone enters	Marcus Hill	High 15 (3×5) Medium 5 (1×5)
7	**Enter the trench and work in it**	Cave-in while inside 1926.652(a)(1), (g)(1)(iii)–(iv)	• Nobody in an unprotected trench 5 ft or deeper • Stay inside the box; never inside while it's being moved • Box extends 18 in. above the vertical wall	Marcus Hill	Critical 20 (4×5) Medium 5 (1×5)
		No way out in an emergency 1926.651(c)(2), 1926.1053(b)(1)	• Ladder within 25 ft of every worker, 3 ft above the edge, tied off	Dale Whitaker	Medium 9 (3×3) Low 3 (1×3)
8	**Lay pipe and set structures**	Pinned between the pipe and the trench wall 1926.651(e); 5(a)(1)	• Nobody between the pipe and the wall until it's on the bedding • Rated sling or pipe hook and tag lines	Dale Whitaker	High 15 (3×5) Medium 5 (1×5)
		Strains from lifting and awkward positions 5(a)(1)	• Team lift over about 50 lb; use the equipment instead of carrying	Everyone	High 12 (3×4) Medium 6 (2×3)

IF CONDITIONS CHANGE, STOP WORK AND GO OVER THIS JHA WITH THE CREW AGAIN.

Stop work if

- Water in the trench, cracks or sloughing in the walls
- A utility strike or the smell of gas
- Spoils closer than 2 ft, or no ladder within 25 ft
- Anyone with a headache, cramps, dizziness or nausea: shade, water, call the foreman
- A driver enters the work zone or a sign is down

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Prepared by (foreman)	Reviewed by	Date
Marcus Hill	Rita Solano	Tue, Oct 6, 2026

Crew sign-in: I went over this JHA and understand it

#	Name (print)	Signature	Time
1	Marcus Hill		6:52
2	Tomás Rivera		6:53
3	Dale Whitaker		6:53
4	Ana Beltrán		6:54
5	Luis Ortega		6:55
6	Carlos Méndez		6:55
7	Jesse Navarro		11:15
8			
9			
10			

Changes after it was signed. Anyone who joins later goes over it and signs in above.

Rev.	Time	What changed	By
1	6:40 AM	Gone over with the crew and signed before work started.	MH
2	10:25 AM	Past Sta 15+50 the cut runs 10 ft deep. Swapped to a box rated for 10 ft; scope and step 6 updated. Risk after controls unchanged.	MH
3	11:15 AM	Jesse Navarro joined the crew. Went over the JHA with him and he signed in (line 7).	MH