



City of Sonora

"Queen of the Southern Mines"

94 North Washington Street
Sonora, California 95370

Area Code 209

Administrator 532-6115
Administration 532-4541
Finance 532-4541
Building/Planning . . 532-3508
Police 532-8143
Fire 532-7432
Public Works 532-2922
Cemetery 532-4492
Opera Hall 532-7725
Special Programs . . 532-7725
Redevelopment . . . 532-7725
www.sonoraca.com

DATE: March 18, 2019

TO: Honorable Mayor and Council Members

FROM: Timothy A. Miller, City Administrator 

RE: Storm Damage Repair Sunrise Hills

RECOMMENDATION

Consideration to adopt Resolution No. 03-18-2019-B (attached) delegating authority to the City Administrator to order any necessary action to repair the Sunrise Hills storm drain, take any directly related and immediate action required by this emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts pursuant to Public Contract Code section 22050 and Sonora Municipal Code section 3.60.110. (4/5th vote required)

DISCUSSION

Attached is a report from the City Engineer describing the location and damage to the storm drain system at Sunrise Hills and recommending the necessary repairs.

FINANCIAL IMPACT

Repairs to the storm drain are expected to exceed \$100,000. Funds that are available include SB 1 funds, Sunrise Hills Maintenance District funds, other street maintenance funds and/or General Fund reserves. With the proclamation of a Local State of Emergency there may be State assistance available. Once the actual repair cost has been quantified, City staff will report back to Council with a recommended funding source(s).

ENVIRONMENTAL REVIEW

The proposed project is exempt from review under the California Environmental Quality Act (CEQA) pursuant to Section 15269 and Section 15301 of the State CEQA Guidelines. Emergency repair and restoration projects are statutorily exempt, as defined in Section 15269. A Notice of Exemption will be filed with the County Clerk.

RESOLUTION 03-18-2019-B

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SONORA
DELEGATING AUTHORITY TO THE CITY ADMINISTRATOR
TO ORDER ANY NECESSARY ACTION TO REPAIR
THE SUNRISE HILLS STORM DRAIN**

WHEREAS, during the storm event on March 6, 2019, the storm drain system for Sunrise Hills north of Morning Star Drive near Child Road serving the commercial development was overwhelmed, collapsed and became blocked by rock causing a backup that eroded the bank at 800 Morning Star Drive; and

WHEREAS, additional rainfall could expand the bank erosion impacting the adjacent parking lot and compromise more of the storm drain piping; and

WHEREAS, the storm drain damage qualifies as an emergency under Sonora Municipal Code section 3.60.110 as a sudden, unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life, health, property or essential public services; and

WHEREAS, Public Contract Code section 22050 allows the City Council, by a four-fifths vote, to delegate by resolution the authority to order any necessary action to repair or replace a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts; and

NOW, THEREFORE, BE IT RESOLVED that the City Council does hereby delegate authority to the City Administrator to order any necessary action to repair or replace the damaged Sunrise Hills storm drain system, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts pursuant to Public Contract Code section 22050 and Sonora Municipal Code 3.60.110.

PASSED AND ADOPTED as a Resolution of the City Council of the City of Sonora at a regular meeting held on the 18th day of March 2019, by the following vote:

AYES: _____

NOES: _____

ABSTAIN: _____

ABSENT: _____

Signed and Dated:

James M. Garaventa
Mayor of the City of Sonora

ATTEST:

Colette Such
Sonora City Clerk Pro Tempore

APPROVED AS TO FORM:

Douglas L. White
Sonora City Attorney



City of Sonora

Tuolumne County
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Administration/Finance/City Clerk	532-4541
Community Development	532-3508
Building Department	532-3508
Public Works Department	532-2922
Police Department	532-8143
Fire Department	532-7432
Opera Hall/Redevelopment-Grants	532-7725
City Engineer	532-1867

Date: March 12, 2019

To: Timothy A. Miller, City Administrator

From: Gerard J. Fuccillo, City Engineer

Subject: **Storm Damage Report: Sunrise Hills Storm Drain
below Morning Star Drive near Child Road.**

Summary:

On March 06, 2019, the City received a record rainfall in terms of short duration high rainfall intensity. Although 2"-2 ½" of rainfall spread over 24 hours is not considered a significant record, when a major portion of the days rainfall, comes all at once and falls over less than an hour, it creates drainage and flooding problems. To compound matters, the rainfall was mixed with sleet which plugged up the drainage inlets, and left the drainage flow to flow down the streets.

Although there was flooding damage in the downtown area, we had some major damage to City storm drain facilities in the Sunrise Hills area north of Morning Star Drive near Child Road. Due to the high intensity storm water flow from the commercial office area of Sunrise Hills Unit 2, we have had approximately 300 lineal feet of 36" storm drain wash out to Sonora Creek. This PVC storm drain was installed as part of the Sunrise Hills Assessment District and Subdivision Improvements in 1993-94.

Specifics:

Attached to this report (Attachment A) is a marked up excerpt from Sunrise Hills Storm Drain Master Plan showing the location of the damaged storm drain. As one will note, the damaged storm drain, drains all of the commercial office area of Sunrise Hills Unit 2 as well as Morning Star Drive and Child Road. The damaged area is downhill from an Orthodontist office parking lot to Sonora Creek.

Also attached to this report (Attachment B) are photos of the damaged area number from the upper area downhill toward Sonora Creek. The first photo is the earth slope failure below the parking lot. Subsequent photos show the washed out Storm Drain pipe out of the ground and washed downhill.

Recommendation:

It is recommended that the City, through contractors, proceed to replace this storm drain and backfill the failed slope on an urgency basis.

Attached to this report is a marked up excerpt of the as-built plans (Attachment C) with replacement notes. The storm drain pipe should be replaced with the newer type Dual Walled HDPE (High Density Polyethylene) N-12 pipe. A specification sheet is included with the attachment.

The replacement pipe should have special constrained joints and backfill because of the steep slopes. An alternate should be considered to replace only the upper 120 LF and replace the lower 180LF with a rocklined and concreted ditch.

A handwritten signature in black ink, reading "Gerard J. Fuccillo". The signature is fluid and cursive, with the first name "Gerard" and last name "Fuccillo" clearly legible.

Gerard J. Fuccillo
City Engineer

Sunrise Hills Storm Drain Failure

① Slope failure below parking lot



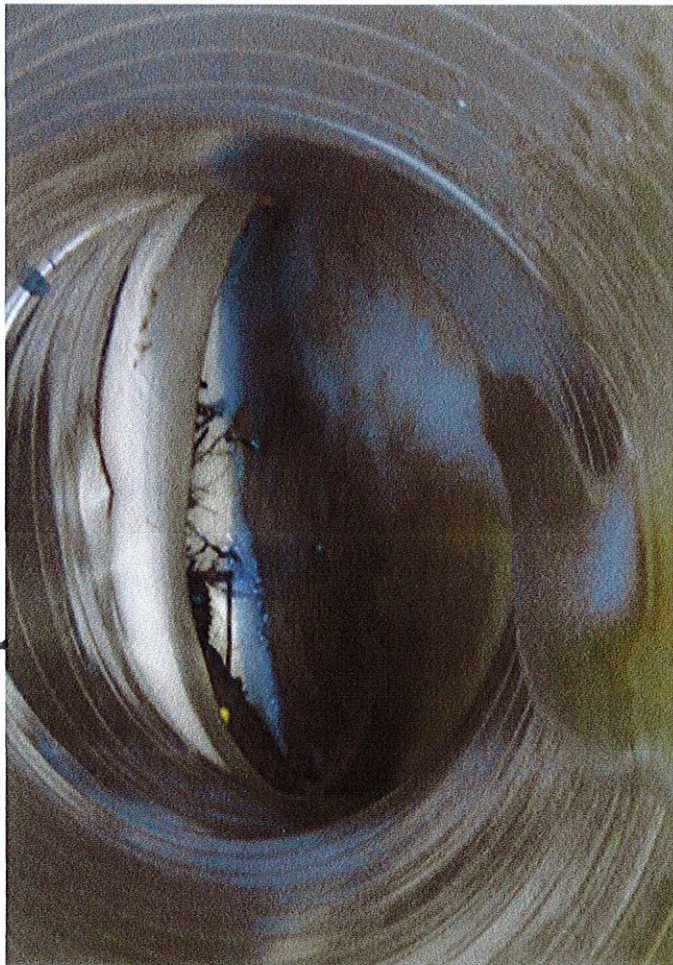
② Slope failure debris - sewer easement access road



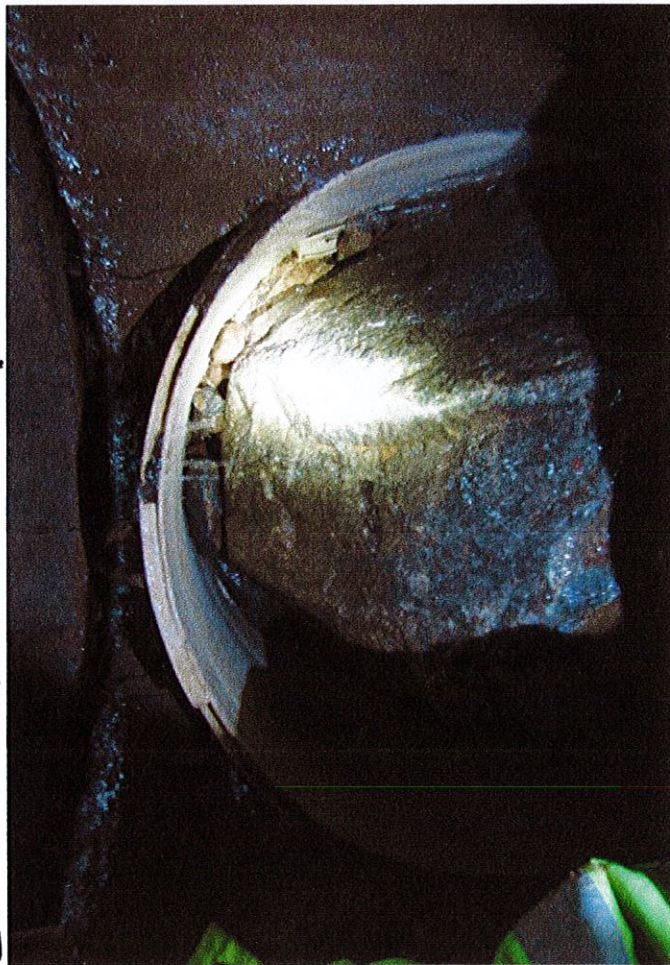
Attachment B

B-1

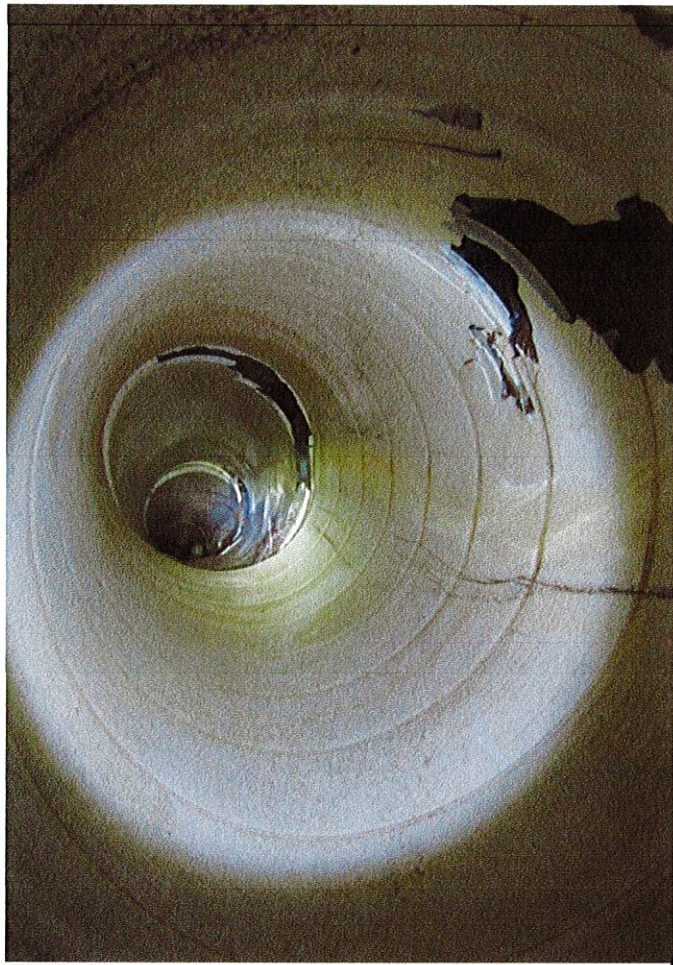
③ Parking lot Manhole 6
Looking down stream



⑤ Manhole 7 Rock up stream



④ Manhole 7 below
looking downstream



⑥ Manhole 7 rock up stream



⑥ Below MH 7



⑦ Outlet below MH 7 see Photo ④



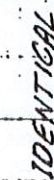
⑨ Below MH 7



⑩ Below MH 7



IDENTICAL





N-12[®] Dual Wall - HDPE Pipe

Corrugated, smooth interior, high-density polyethylene (HDPE) pipe

Introduced in 1987, dual wall N-12 pipe, with its smooth interior wall and corrugated exterior, offers exceptional hydraulics and strength. Built using application-specific high-density polyethylene, dual wall N-12 corrugated pipe also provides superior corrosion and abrasion resistance. This makes it an excellent alternative to reinforced concrete (RCP) and corrugated metal pipe (CMP).

N-12 pipe is available in soil tight (ST), water tight (WT) and plain end, all of which offer joint options of bell and spigot design, gasket, bell wrap or pressure-rated 10.8 psi coupler.

Features

- Smooth interior with a Manning's value of 0.012 resulting in increased flow capacity
- Inert HDPE material is resistant to the effects of chemicals, abrasion, hot soils, and effluent
- Lightweight product for best-installed cost and maximizing delivery and installation efficiencies
- Structurally designed corrugated exterior to support typical construction and long term loading
- Readily available in convenient locations to service local projects
- Joint options to meet your application performance requirements, including up to water-tight joints meeting ASTM D3212
- Available in ST, WT and Plain End
- Joint options include bell and spigot design, gasket, bell wrap or pressure-rated 10.8 psi coupler

Lubricants:

ADS' 0201LU 2 lb. tub and 0801LU 8 lb. tub lubricant products for gasketed pipe joints:

- Soft, paste like compound
- High performance pipe joint lubricant
- NSF certified for potable water pipelines
- Contains no petroleum-Will not swell gaskets
- Stable from -10 to 120°F
- Non-toxic
- No objectionable odor
- Will not support bacteria
- Effect on gaskets-less than 1% weight gain and less than 1 duro hardness loss
- Effectively lubricates pipe and pipe gaskets for safe and efficient assembly Ask your sales representative for more information on these and other ADS products.