PRECISION CONCRETE CUTTING
Trip Hazard Removal Specialists

EXECUTIVE PROPOSAL

CITY OF OROVILLE: ZONE 2 SIDEWALK ASSESSMENT PROJECT

PRESENTED TO:

THE CITY OF OROVILLE

PRECISION CONCRETE CUTTING
335 Beach Road
Burlingame, CA 94010

WHO WE ARE

Precision Concrete Cutting is the global leader in Sidewalk Asset Management. We have numerous Franchises across North America and Canada. PCC has been awarded six patents by the US Patent & Trademark Office for our trip hazard removal equipment and unique process. Our company has worked for Municipal Governments in 48 of the 50 US States and all but two Provinces in Canada. PCC assesses hundreds of miles of sidewalk infrastructure every week and we have developed a premier Smartphone Surveying Technology which provides our clients the insight and knowledge they need to make well-informed and knowledgeable decisions about repairing their uneven sidewalk panels.

The Precision Concrete Cutting located in Northern California is independently owned and operated. We are the nation's leader and have been making sidewalks safe since 2003. With two locations throughout the Northern part of the state, we are the largest Franchise out of almost 50 Franchises. We work with numerous municipalities and thousands of Commercial, HOA, Schools, and Apartment properties. The PCC Management team has a combined trade experience of over 35 years in total. Based in Burlingame, California with another office in the Sacramento area, we are the local experts in Sidewalk Asset Management and our specialty is in complex projects with high pedestrian travel areas. In 2017 alone, PCC NorCal has repaired more than 250,000 uneven sidewalk panels leaving each one smooth, precisely cut and slip resistant.

U.S. Pat. No. 6,827,074
U.S. Pat. No. 7,000,606
U.S. Pat. No. 6,896,604
U.S. Pat. No. 7,201,644
U.S. Pat. No. 7,402,095

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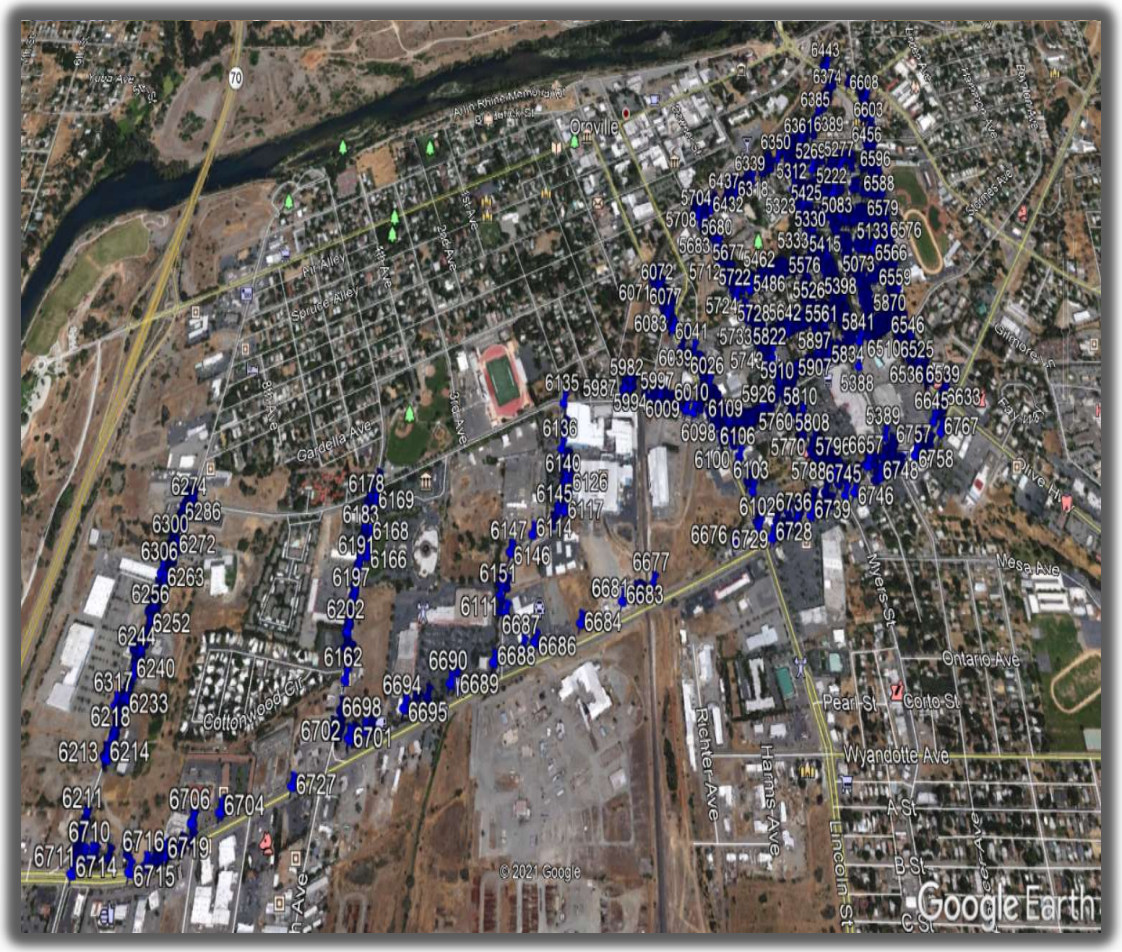
PROJECT SCOPE & AREA



This sidewalk uplift repair project includes:

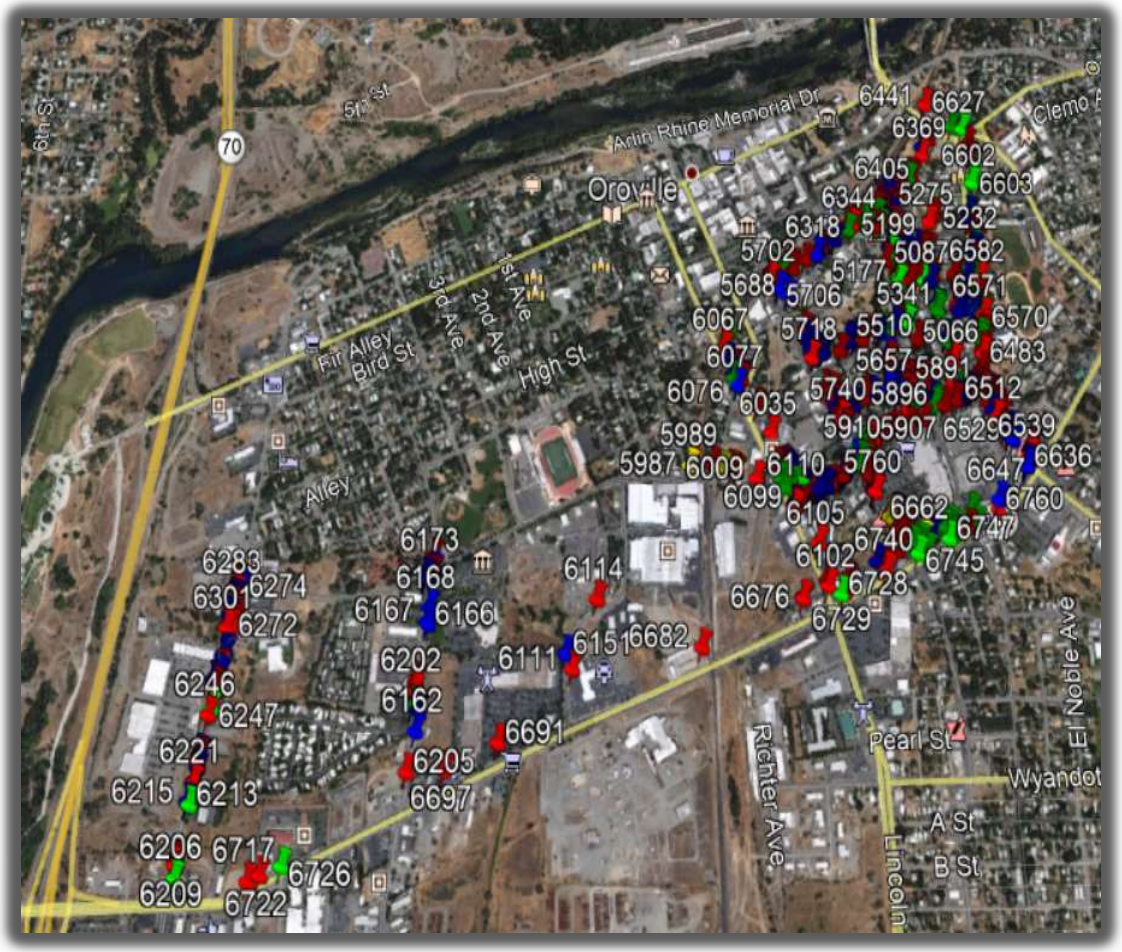
- Uplifted sidewalk panels to be repaired by saw-cutting: **1,479**
- Locations requiring additional Attention identified: 158
- Remove & Replace locations identified: 74
- Total Cost **$101.495**

The specifications for this project are as follows:

- Inspect area for uneven sidewalks ½ inch and greater, curbs/gutters, corners with no ramp or domes, and sidewalk with less than 48 in. passable space
- Take site photographs
- Inventory and Document all locations that require removal and replacement

All work to be completed in 45-60 working days using our patented saw cutting technique resulting in an edge to edge repair of the sidewalk with a completely planar slope and in accordance with the Americans with Disabilities Act of 1990.

PROJECT ASSESSMENT ADD-ONS

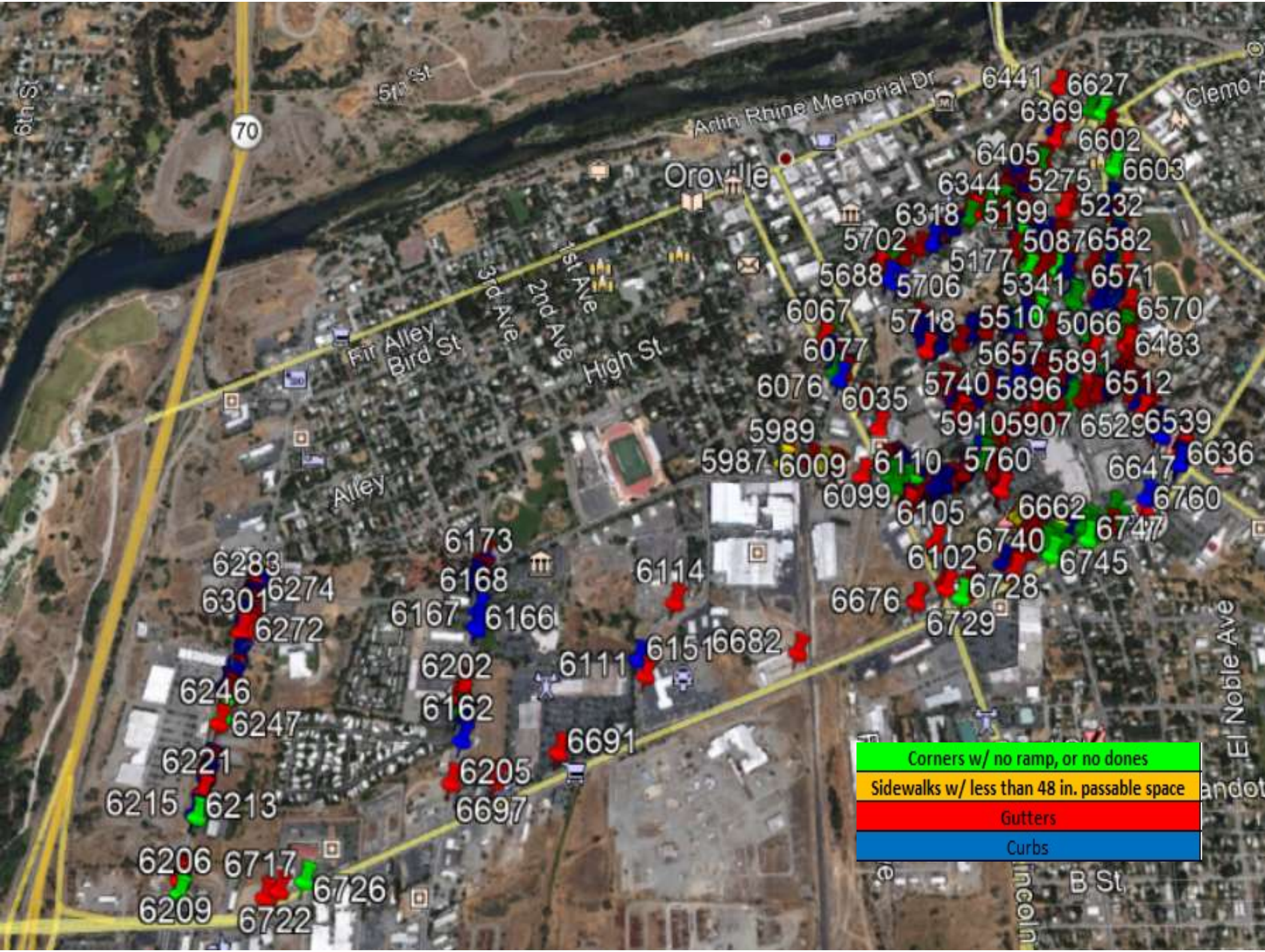


This sidewalk uplift repair project includes:

- Corners with no ramp, or no domes: 84
- sidewalks with less than 48 in. passable space 8
- gutters 239
- curbs **141**

The specifications for this project are as follows:

- Inspect area for uneven sidewalks ½ inch and greater, curbs/gutters, corners with no ramp or domes, and sidewalk with less than 48 in. passable space
- Take site photographs
- Inventory and Document all locations that require removal and replacement


Corners w/ no ramp, or no dones
Sidewalks w/ less than 48 in. passable space
Gutters
Curbs
Arlin Rhine Memorial Dr
Oroville
Fir Alley
Bird St
3rd Ave
2nd Ave
1st Ave
High St
Alley
B St
El Noble Ave
6th St
5th St
70
6441
6627
6369
6602
6405
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6344
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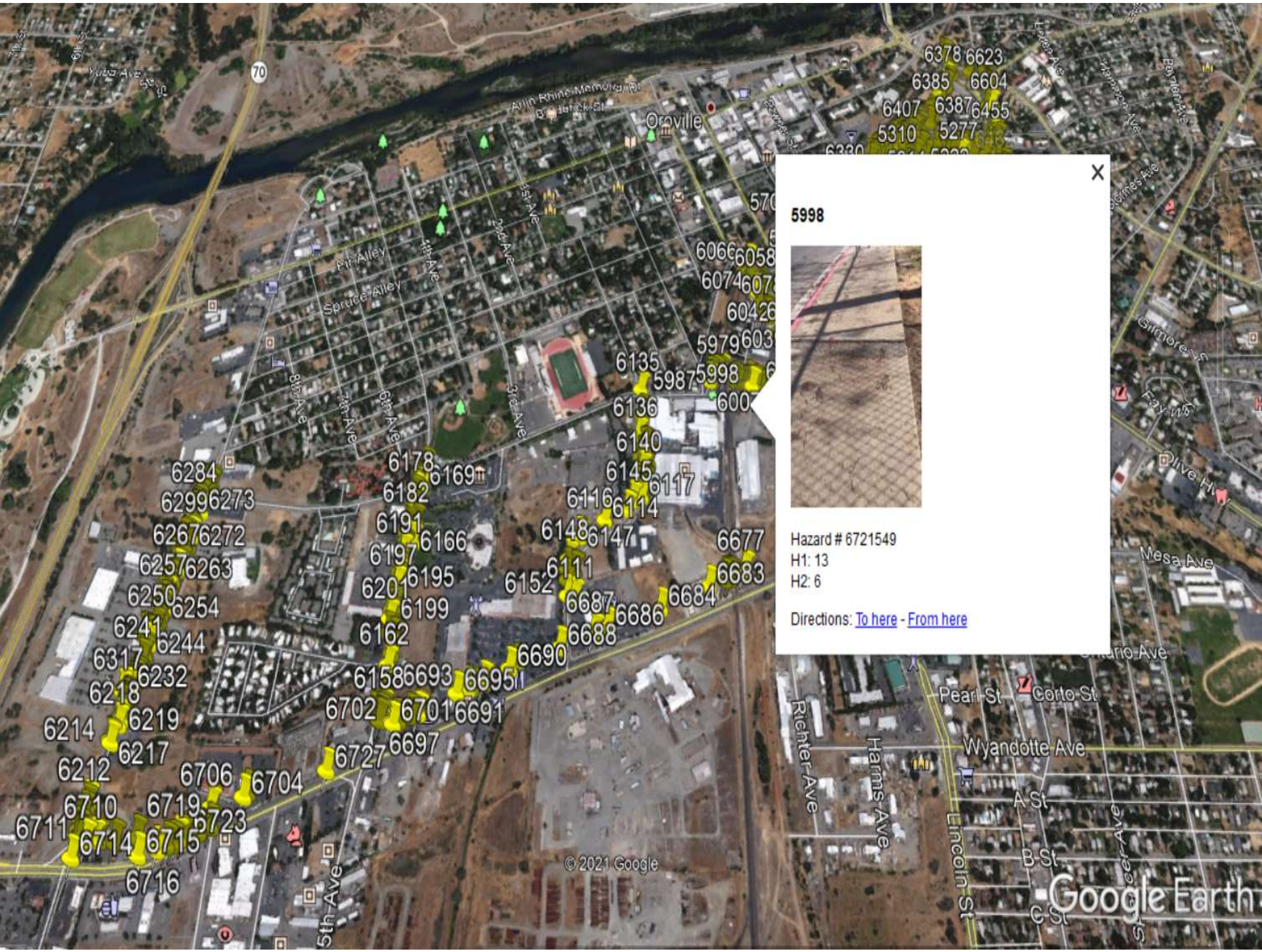
5998
Hazard # 6721549
H1: 13
H2: 6
Directions: To here - From here
Oroville
Spruce Alley
Pine Alley
1st Ave
2nd Ave
3rd Ave
4th Ave
5th Ave
6th Ave
7th Ave
8th Ave
Pearl St
Corto St
Wyandotte Ave
A St
B St
C St
Richter Ave
Harms Ave
Lincoln St
Mesa Ave
Olive Hwy
Gilmore Ln
Fay Ln
Google Earth
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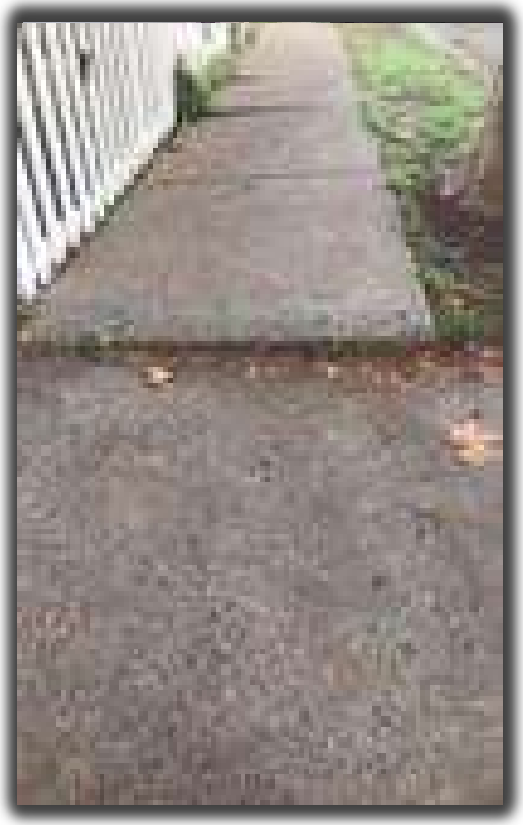
ACTUAL SITE PHOTOS – UNEVEN SIDEWALK PANELS

ACTUAL SITE PHOTOS – R&R LOCATIONS



SUPERIOR RESULTS

COST SAVINGS EXAMPLE

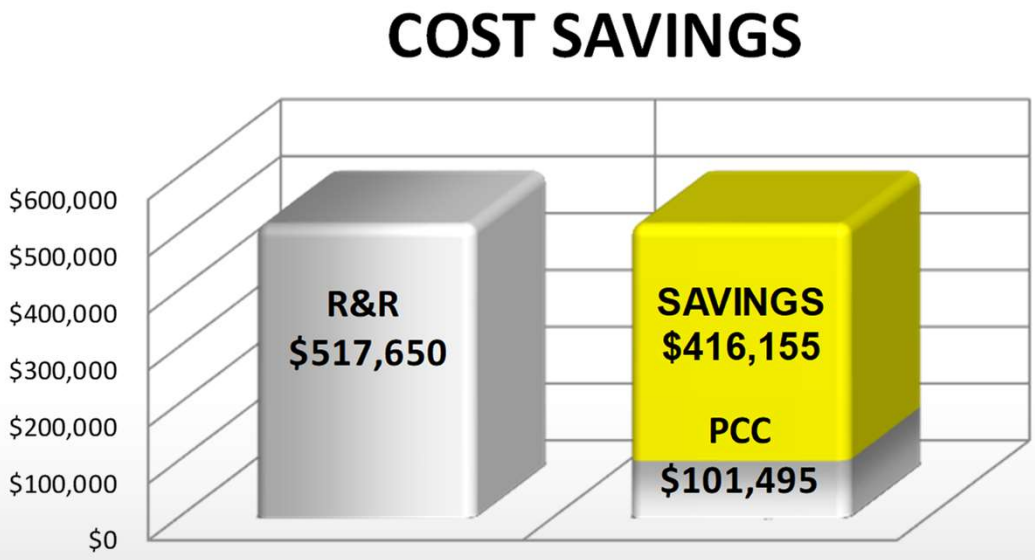
By selecting **Precision Concrete Cutting** to repair its sidewalks, **The City of Oroville** will save an estimated **$416,155 or 80%** compared to traditional removal and replacement. Based on an average sidewalk panel size of 5 x 5 ft. and an estimated replacement cost of $14.00 per square foot, the cost to remove and replace **1,479 off-sets** would have been **$517,650** not including curbs & gutters.

This replacement estimate takes into account:

- Cost of concrete, materials and preparation
- Labor to break up and remove existing concrete
- Labor to pour, form, level, finish, float & cut control joints
- Fuel for multiple site visits to repair or break-up, remove, pour, remove forms, and restore adjacent items
- Equipment such as a backhoe, vehicle to transport backhoe, utility vehicle, and dump truck to remove debris

Project Summary:

Total Trip Hazard Repairs		**1,479**
Cost Using R&R	$	**517,650**
Cost Savings	**$**	**416,155**
Cost Using PRECISION CONCRETE CUTTING	**$**	**101,495**



PROJECT OPTIONS W/ CURBS

OPTION 1

1,479 Uplifted Sidewalk Panels ½ ” and Greater Repaired

$101,495

OPTION 2

652 Uplifted Sidewalk Panels ¾ ” and Greater Repaired

$59,811

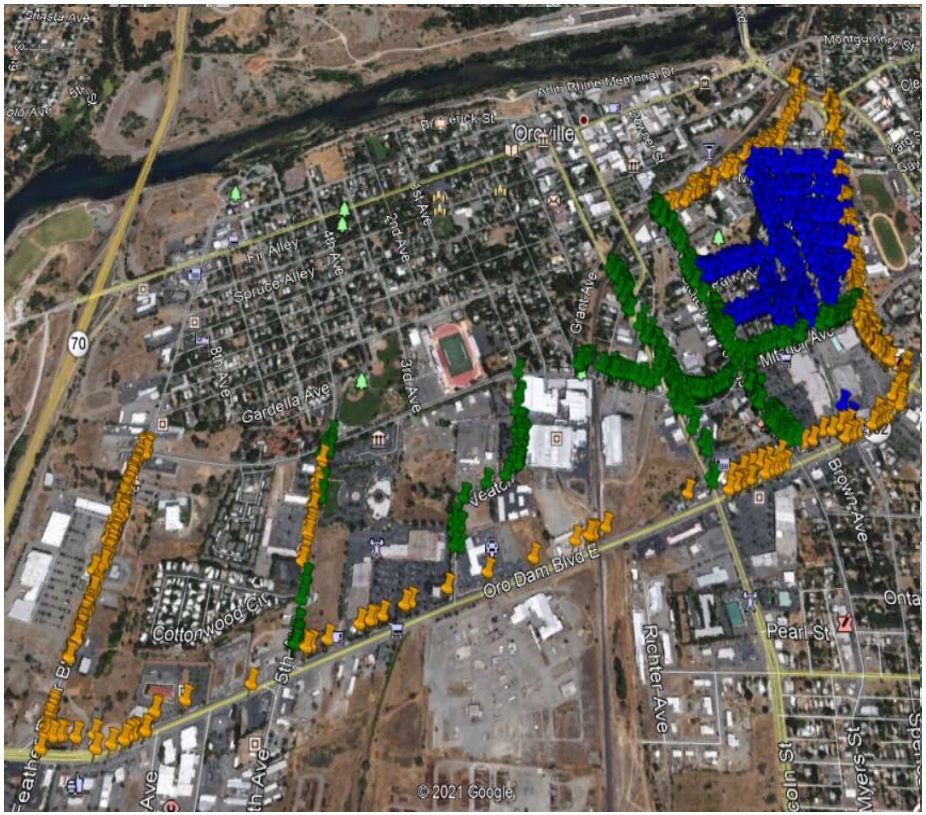
OPTION 3

307 Uplifted Sidewalk Panels 1” and Greater Repaired.

$36,652

All options will be performed using our patented saw cutting technique resulting in an edge to edge repair of the sidewalk with an ADA compliant slope. HEPPA-Filtered vacuum used in process to reduce dust and debris. Complete with before and after pictures and GPS map with repair locations.

PROJECT RECOMMENDATION: 3 PHASE APPROACH



Phase 1

$33,831.67

Phase 2

$33,831.67

Phase 3

$33,831.67

All phases will be performed using our patented saw cutting technique resulting in an edge to edge repair of the sidewalk with an ADA compliant slope. HEPPA-Filtered vacuum used in process to reduce dust and debris. Complete with before and after pictures and GPS map with repair locations.

ENVIRONMENTAL SAVINGS

***ENVIRONMENTAL IMPACT*:** As a member of the U.S. Green Building Council (USGBC) we are proud of the fact that we reduce the impact to landfills and the environment as a result of our service.

Removing and replacing 100 panels would result in approximately 112,000 pounds or 56 tons of concrete being removed (average panel weight of 1120 pounds.)

Using Precision Concrete Cutting for 100 trip hazards results in 0.3 tons of concrete removed and recycled, approximately 141 gallons of gasoline saved, and a reduction of 1.3 metric tons of Co2.

For this particular project, removing and replacing 1,479 panels would have resulted in 837.26 tons of waste concrete in landfills. By using Precision Concrete Cutting, less than 17 ½ tons of concrete is removed and everything is recycled at "SRDC". Precision's method saved an estimated 1,041 gallons of gasoline and prevented the release of about 9.29 metric tons of Carbon Dioxide (CO2) gas emissions.

WATER SAVINGS

With California facing one of the most severe droughts on record, Governor Brown declared a Drought State of Emergency in January and directed state officials to take all necessary actions to prepare for water shortages. The state has continued to lead the way to make sure California is able to cope with an unprecedented drought.

According to data provided by “Concrete Construction” publication, the removal and replacement of one 6’x6’x4” sidewalk panel results in approximately 32 gallons of water consumption. Also, according to the latest USGS survey the average household uses 9,000 gallons of water per month.

For this particular project, the removal and replacement of 1,479 panels will result in approximately 19,714 gallons of water being used to pour concrete. By using the Precision Concrete Cutting DRY CUT process with HEPA filtered high-powered vacuums with no water usage.

OUR PROMISE TO YOU...

Precision Concrete Cutting uses Proprietary and Patented Cutting Technology to repair trip hazards.

Our work is GUARANTEED to offer the following benefits:

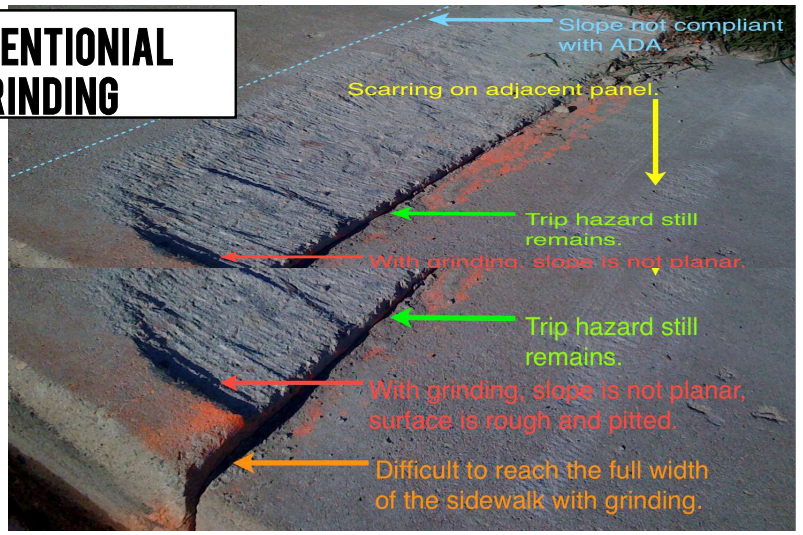
- **Cost Savings** – Remove trip hazards at a fraction of the cost of other methods.
- **ADA Compliance** – Approved and compliant with ADA standards.
- **Mapping Services** - GPS mapping integrated with Google maps.
- **Clean** – No mess left behind. Reduced resident complaints.
- **Safety** – Decrease liability on your pedestrian walkways and increase safety.
- **Detailed Reporting** – Invoices show measurements, locations, and cost for each hazard.
- **Low Impact** – Average removal time is less than 20 minutes, no sidewalk closures or incidental costs.
- **Full Service Contractor** – Sidewalk Maintenance Program consulting services.

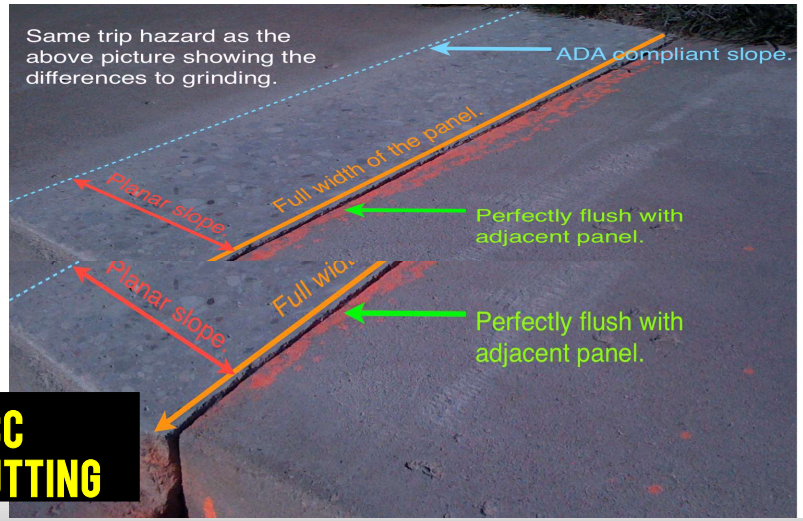
THE PRECISION ADVANTAGE

The cost savings compared to grinding is important, but the biggest contrast is the quality, aesthetics and ADA compliance PCC Saw-Cutting Offers.

- ✓ Grinding damages the concrete in that it breaks edges, knocks out aggregate, scars adjacent panels, and creates micro cracks.
- ✓ Grinding leaves the area looking rough, unfinished, and highlights the uneven scarring.
- ✓ Grinding doesn't comply with the ADA slope requirements.
- ✓ Has absolutely no cost advantage. Very often MORE expensive.
- ✓ Due to it's design, is unable to maneuver and remove hazards next to objects/obstacles.
- ✓ Faces extremely difficulty on removing small trip hazards (under 3/8") and larger trip hazards (over 1 inch).
- ✓ Overall, an unnecessarily slow process that generates a large amount of residual dust.

CONVENTIONIAL GRINDING





PCC SAWCUTTING