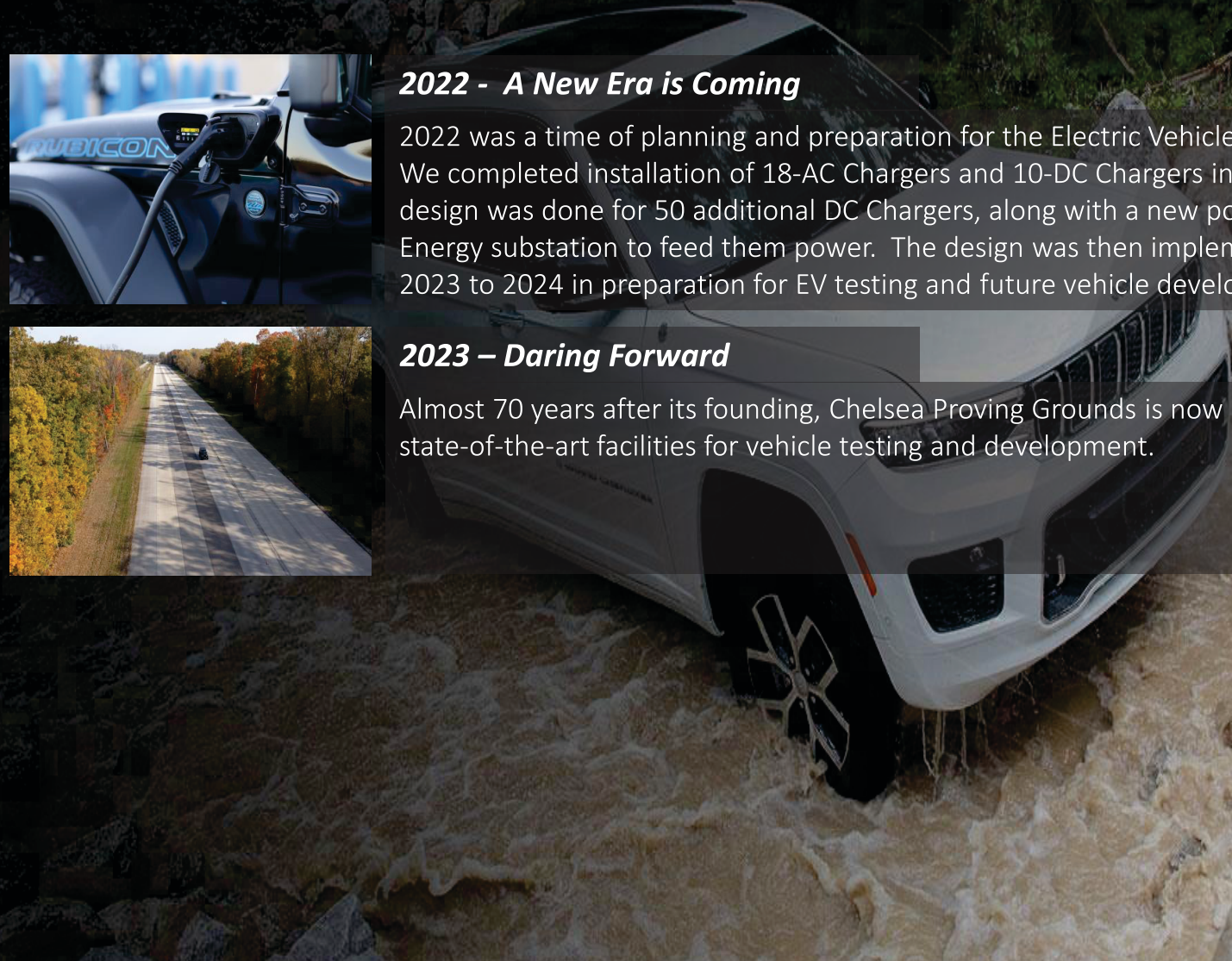




CHELSEA PROVING GROUNDS



2022 - A New Era is Coming

2022 was a time of planning and preparation for the Electric Vehicle future under the new Stellantis umbrella. We completed installation of 18-AC Chargers and 10-DC Chargers in our test parking lots. An engineered design was done for 50 additional DC Chargers, along with a new powerhouse and an upgraded Consumers Energy substation to feed them power. The design was then implemented, and construction took place from 2023 to 2024 in preparation for EV testing and future vehicle development at CPG.

2023 - Daring Forward

Almost 70 years after its founding, Chelsea Proving Grounds is now open to external customers to provide state-of-the-art facilities for vehicle testing and development.



CHELSEA PROVING GROUNDS



Chelsea Proving Grounds has been testing and validating vehicles for almost 70 years and is finally opening its doors to provide others with the same opportunity. CPG has every test you need to develop and bring your car to market – plus a little extra. Visit our contact page to get connected and learn about our full range of services.

FULL RANGE OF VEHICLE SERVICES:

- Autonomous Vehicle Testing
- Impact Barrier / Safety Sled
- Rollover Simulation
- Hot / Cold Chambers
- Wind Tunnel
- Emissions Dev and Cert
- Robotic Mileage Accumulators
- Propulsion Calibration
- Performance / Fuel Economy
- Brake Systems Dev and Cert
- Durability
- Corrosion Chambers
- Instrumentation
- Water Fording
- Dynamics / Instrumented Handling
- Center of Gravity Swing
- NVH Development
- Pass-By Noise Certification
- Coast Down

CONTACT US

www.chelseaprovinggrounds.com

Chelsea Proving Grounds 3700 S MI State Road 52,
Chelsea, MI 48118

Discover Chelsea Proving Grounds

With 4000 acres and nearly 50 tracks comprised of nearly 100 miles of test surfaces.





CHELSEA PROVING GROUNDS

“The Real Secret to Success is ... Enthusiasm”

- Walter P. Chrysler

History of the Chelsea Proving Grounds

A 70+ year history of determination and dedication to develop a world class proving ground. Step through time as we go through a brief history and how Chelsea Proving Grounds (CPG) became what it is today.



1954 - CPG Opens for testing

When testing on Detroit roads was no longer feasible Chrysler sought out land in Chelsea, Michigan to begin the development of a testing facility. After years of preparation and planning, CPG was ready to open its doors! The CPG dedication day had over 600 automotive writers and newsmen from the press, radio, and TV flocking to cover this momentous occasion.



1979 – Proving Grounds Expansion

To keep up with testing and requirements, the proving grounds continued to develop its space. Three new test grades were developed – 7%, 15%, and 32% which represents one of the steepest roads located in San Francisco. The test circle was constructed and paved as well as the ride road within the oval that would be used for steering evaluations, body shake, vibrations, suspension etc. This time period also brought us both tortuous roads that continue to put cars through a brutal beating today.



2000 – A Modern Upgrade

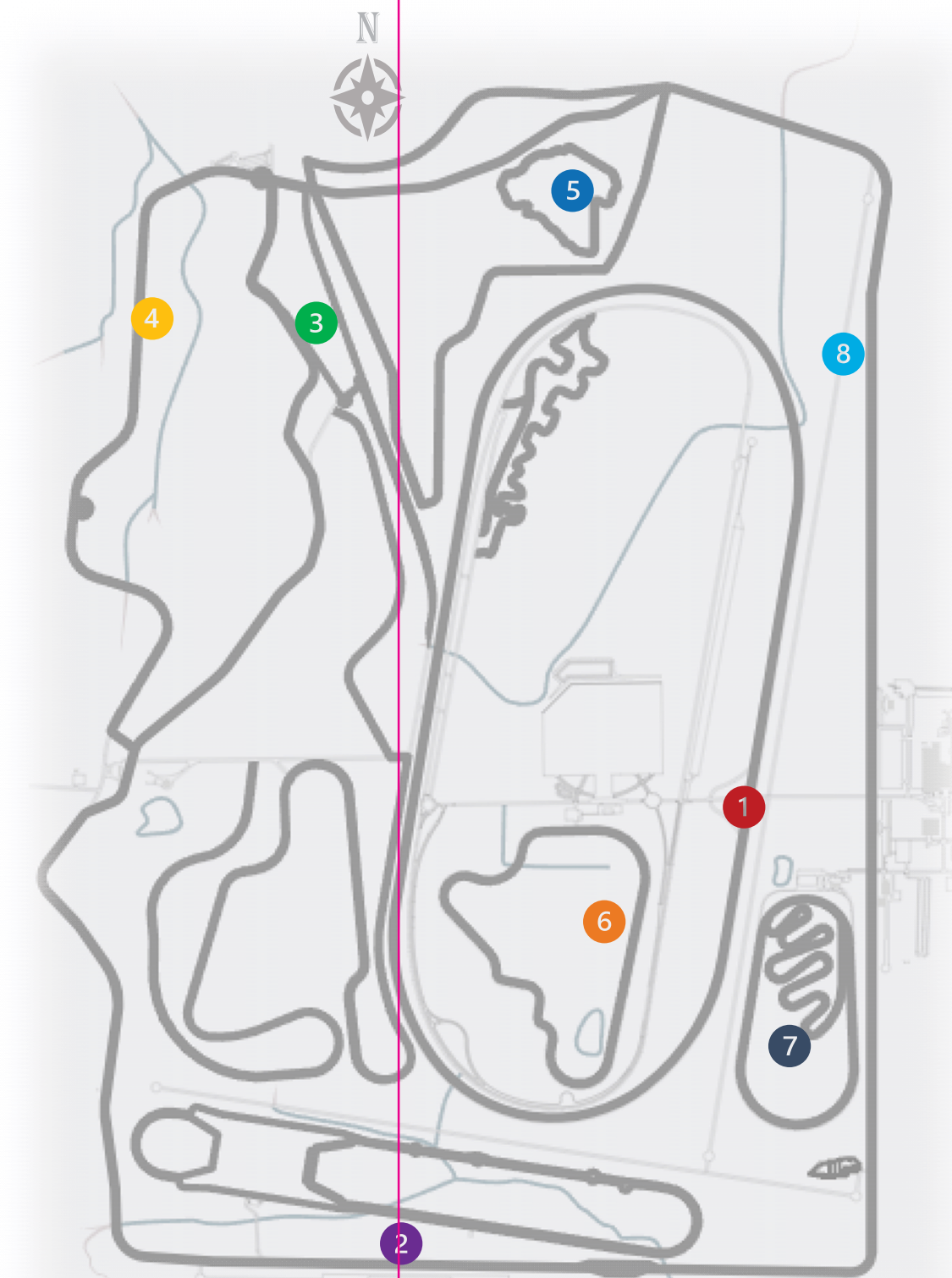
The early 2000s were the Daimler years (1998-2007). It was a time when the now famous modern-day version of the HEMI® V8 first came out in the 2003 Dodge Ram pickup truck. There was a boom of new building construction at CPG that started with the Emissions Fueling building in 1997, the Brake Garage in 1998, Performance Garage in 1999, the Durability Office in 2000, the Corrosion Chambers in 2000 and Emissions North Soak in 2001. In 2007 the original concrete High Speed Oval track was rebuilt in asphalt.



A TRACK FOR EVERY NEED

There is an incredible variety of tracks available fo use. From low-speed special paving and surfaces such as the 9-lane event and serpentine to off road events that challenge your vehicle, to the high-speed oval test track when you have that need for speed. CPG is a seasoned vehicle development center that has helped create some of the best vehicles on the market. Located in South-East Michigan, CPG is able to provide all season testing to help prepare your vehicle for any condition.

Contact us for additional track information and opportunities at:
www.chelseaprovinggrounds.com



- 1 The Oval**
3,757 ft. Straightaways | 1800ft Radius Curves | 6 Lanes
The oval track is perfect for high-speed durability, drive-train and vehicle component endurance, fuel economy measurements, brake performance, temperature measurements and calibration testing.
- 2 Vehicle Dynamics Facility**
The Vehicle Dynamics Facility consists of 1200 ft. x 1000 ft. rectangular asphalt test surface with asphalt paved loops at the east and west ends to accommodate the acceleration and deceleration of vehicles as they enter and leave the dynamics test surface. The facility covers approximately 27 acres and has a 1% slope for water runoff.
- 3 Test Grades**
Vertical Incline | Brake Testing | Driveline
CPG offers three test grades open year-round to test traction control, driveline, brakes etc. in any weather condition.
- 4 Chalma**
Rough surface | Ups and downs | Durability
Chalma Road duplicates the conditions once found on a road near Chalma, Mexico; includes many different types of bumps, ruts, road surfaces and road conditions. Chalma Road is used for accelerated endurance, durability and special tests.
- 5 EAST OFF ROAD**
Obstacles | Challenging | Off Road Development
The trail is natural terrain with various obstacles such as; logs, rocks, ditches, sand trough, holes, and dirt banks. The primary purpose of this trail is for demonstration, development, training and testing.
- 6 Evaluation & Handling Road**
Tight curves | Sprinkler system | Variable speed testing
The Evaluation and Handling Road is 1.7 miles long with numerous tight curves, super elevations, and straights consistent with handling and road course design. Testing consists of both subjective and instrumented events designed for sub-limit and limit evaluations.
- 7 Lateral Load Road**
The Lateral Loads Road is a 1.4-mile road located within the ADR Test Facility. The road has nine hairpin turns, asphalt pavement lane, and a 1% pitch for drainage. It is used primarily to evaluate and test lateral force load input into the vehicle
- 8 North South Straightaway**
Three main types of tests are conducted on this facility:
Wide Open Throttle Accelerations, Coast downs “neutral” decelerations and Urban Fuel Economy Cycles. There are 80- foot diameter turnaround pads on both ends.

... and **MANY** more