

Noise & Vibration Testing Scenario Overviews

Updated:8/6/20

Construction Activity being Mimicked	Related Scenarios	Description of Activities
Geotechnical Investigations: Soil Borings*	Borings: #1-9	Interior & Exterior drill rigs used to drill into ground to collect soil and rock profile data
Utility Relocation Work in Curie	Test Scenario(s): 1	Excavation of dirt and some rock and backfill. A test pit will be drilled in Curie and the following activities will take place: Line Drilling, Rock Ripping & Vibratory Roller
Selective Demolition & Rebuild of the Garage	Test Scenario(s):2-1 & 2-3	A section of the B Level Slab in various locations will be removed. The follow activites will be take place: Sawcutting & Jackhammering
Demo Structure & Brace Wall	Test Scenario(s):3	A section of the B Level Slab will be removed. The follow activities will be take place: Saw cutting & Jackhammering
Soil Nails to Support Existing Foundation Wall	Test Scenario(s):4-1, 4-2, 4-3 & 4-4	Soil Nails will be driven from grade through thru foundation wall and into the adjacent wall in various locations
Underpin Existing Caissons	Test Scenario(s): 5	A section of the B Level Slab will be removed. The follow activities will be take place: Saw cutting & Jackhammering
Demolish Wood	None at this time	No specific simulation to be done at this time. Further test scenario's to be conducted closer to the time when demo will begin
Rock Excavation	None at this time	No specific simulation to be done at this time. Further test scenario's to be conducted closer to the time when demo will begin
*Soil borings are not mimicking construction activities, but are required to collect site soil information to inform the building's foundation design. Since we will be drilling to complete this task, we have included it in the test scenarios to understand if it will have noise or vibration impacts		

Noise & Vibration Testing Schedule - WEEK 4

Updated:9/17/20

August / September 2020						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week 1 August 30	August 31	1	2	3	4	5
	Boring #1, 8pm - 5am	Boring #2, 8pm - 5am	Boring #3, 8pm - 5am	Boring #4, 8pm - 5am	Boring #9, 8am-3:30pm Test Scenario 4-1: Start Test Scenario 4-4: Start	
Noise/Vibration Expectation:	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs Test Scenarios: Mobilize, no noise or vibration planned	No Activities Scheduled
Week 2 6	7	8	9	10	11	12
	LABOR DAY	Boring #5, 8am-3:30pm	Boring #6, 8am-3:30pm Test Scenario 4-1: End	Boring #7, 8am-3:30pm Test Scenario 4-4: End Test Scenario 2-1: Start Test Scenario 3: Start	Boring #8, 8am-3:30pm	
Noise/Vibration Expectation:	No Activities Scheduled	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs Test Scenarios: Drilling between 9am - 3pm	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs Test Scenarios: Drilling between 8am - 2pm	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs Test Scenarios: Demobilize & Mobilize, no noise or vibration planned	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs Test Scenarios: Saw cutting between 1am - 5am Jackhammering between 9pm - 12am	Test Scenarios: Jackhammering between 12am - 5am
Week 3 13	14	15	16	17	18	19
	Boring #9, 8am-3:30pm Test Scenario 2-1: End Test Scenario 3: End Test Scenario 4-2: Start			Test Scenario 2-2: Start Test Scenario 5: Start Test Scenario 4-2: End		Test Scenario 1: Start
Noise/Vibration Expectation:	No Activities Scheduled	Boring: Drilling < 1 hour & Rock Coring (quieter): 7hrs Test Scenarios: Mobilize & Demobilize, no noise or vibration planned	Test Scenarios: Drilling between 8am - 2pm	Test Scenarios: Drilling between 8am - 2pm	Test Scenarios: Mobilize, no noise or vibration planned	Test Scenarios: Saw cutting between 1am - 5am Jackhammering between 9pm - 12am Test Scenario: Mobilize, no noise or vibration planned
Week 4 20	21	22	23	24	25	26
	Test Scenario 4-3: Start	Test Scenario 4-3: End			Test Scenario 1: End	WORK COMPLETE
Noise/Vibration Expectation:	No Activities Scheduled	Test Scenario 1: Excavating between 8am - 3pm	Test Scenario 1: Drilling between 8am-1pm, Jackhammering between 1pm-2pm	Test Scenario: Repair, no noise or vibration planned	Test Scenario: Repair, no noise or vibration planned	Test Scenarios: Repair & Demobilize, no noise or vibration planned

Schedule & Locations

Week 4: 9/20 - 9/25

Osler Circle, Above Grade

Test Scenario 1
Duration: 7 days
Start - Saturday, 9/19 7am
End - Friday, 9/25 3:30pm

Test Scenario 4-3
Duration: 2 days
Start - Monday, 9/21 7am
End - Tuesday, 9/22 3:30pm

Soil Borings
Below Grade

Soil Borings
Above Grade

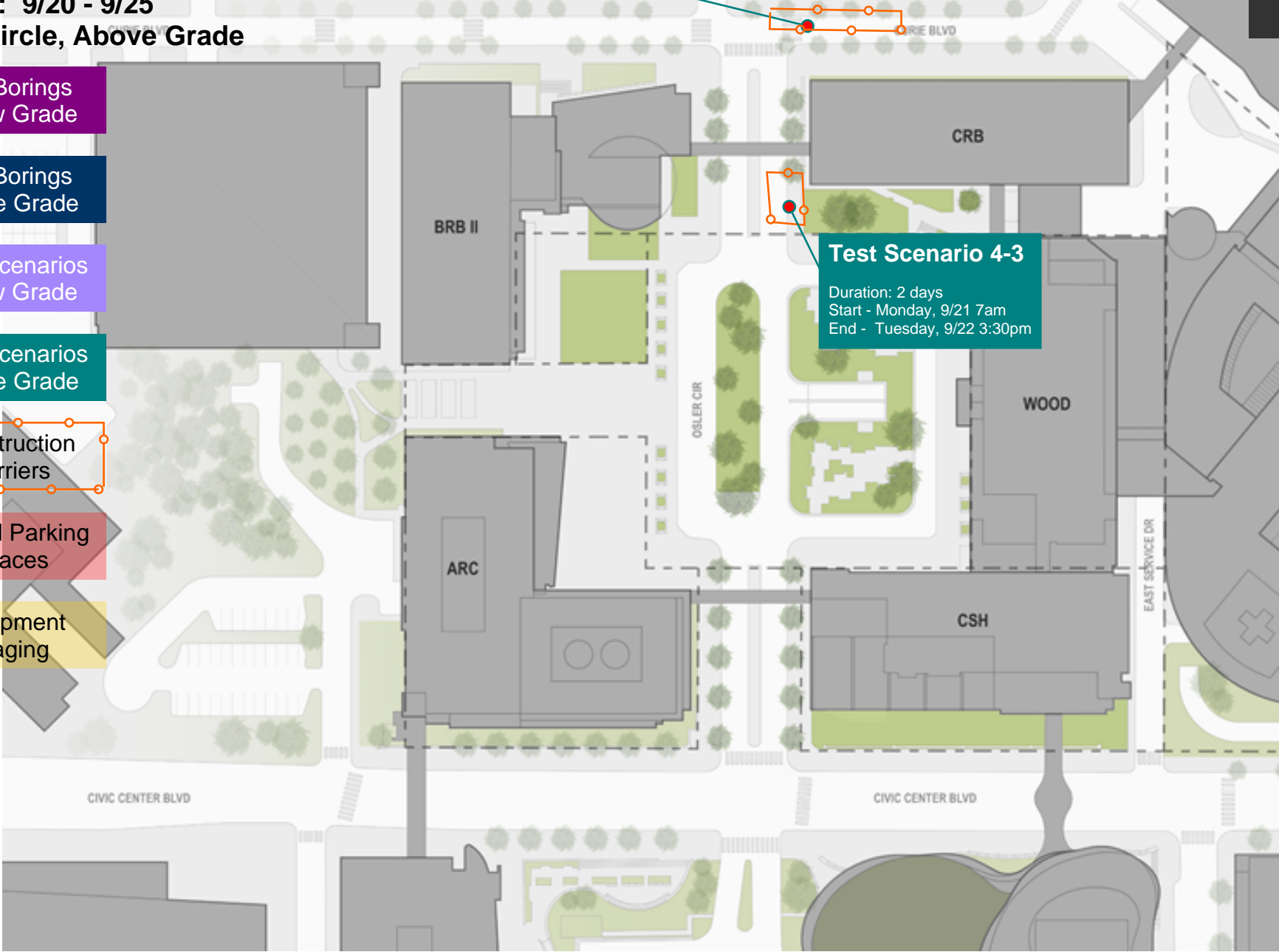
Test Scenarios
Below Grade

Test Scenarios
Above Grade

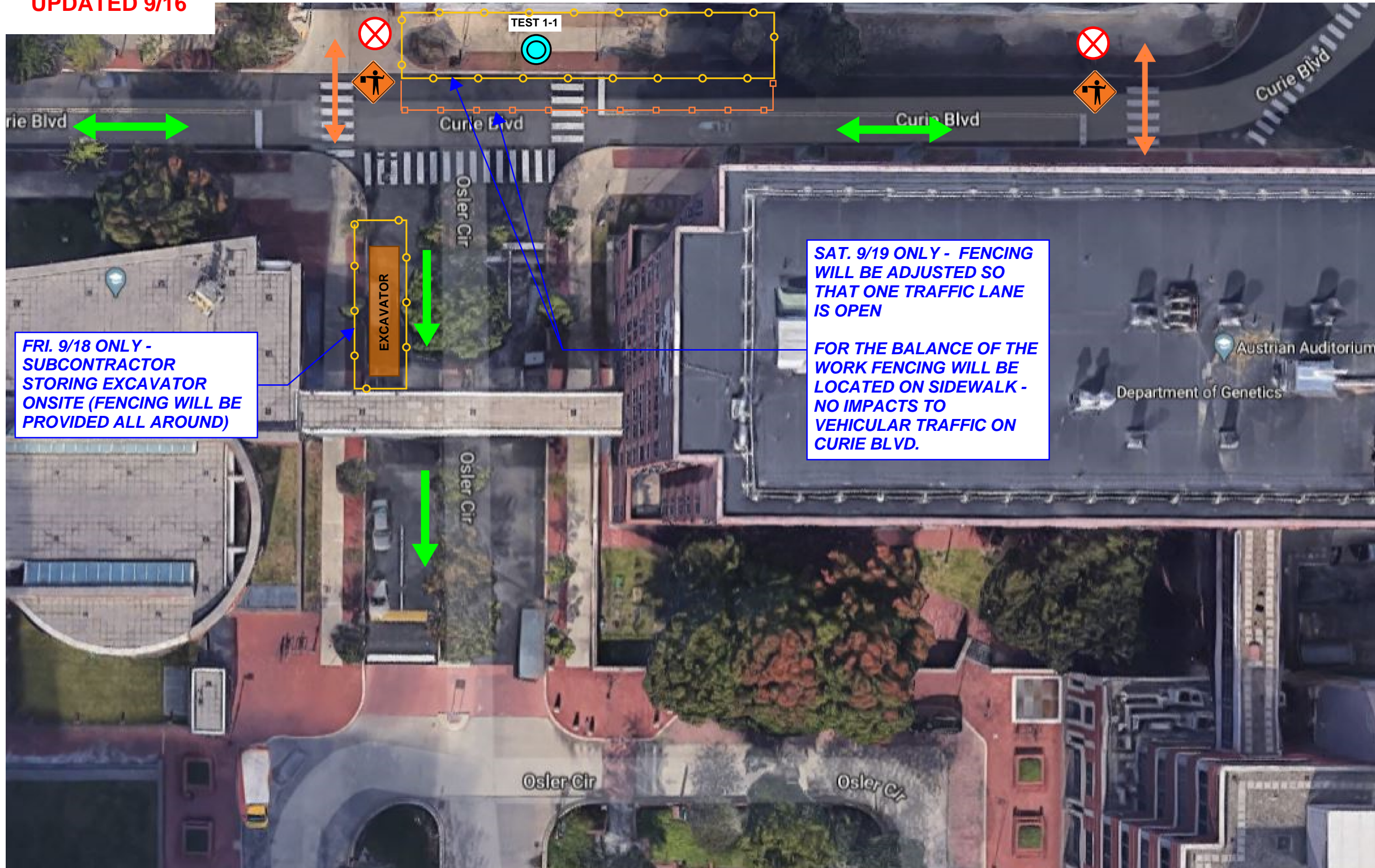
Construction
Barriers

Closed Parking
Spaces







Equipment
Staging



UPDATED 9/16



Legend

-  VEHICULAR TRAFFIC
-  PEDESTRIAN TRAFFIC
-  CONSTRUCTION BARRIER/FENCE
-  SIDEWALK CLOSED
-  FLAGMAN
-  CONSTRUCTION BARRELS







Notes

- 1) ANTICIPATED WORK HOURS:
* SAT, 9/19 - 6AM TO 3PM
* MON, 9/21 THRU FRI, 9/25 - 6AM TO 3PM
- 2) CURIE BLVD TO BE REDUCED TO ONE LANE ON SAT., 9/19
- 3) FLAGGERS TO BE ONSITE ASSISTING WITH VEHICULAR AND PEDESTRIAN CONTROL
- 4) SUBCONTRACTORS DRILL RIG AND UTILITY SUPPORT TRUCKS WILL BE STAGED BEHIND LOGISTICS

UCIE - NOISE AND VIBRATION SIMULATIONS

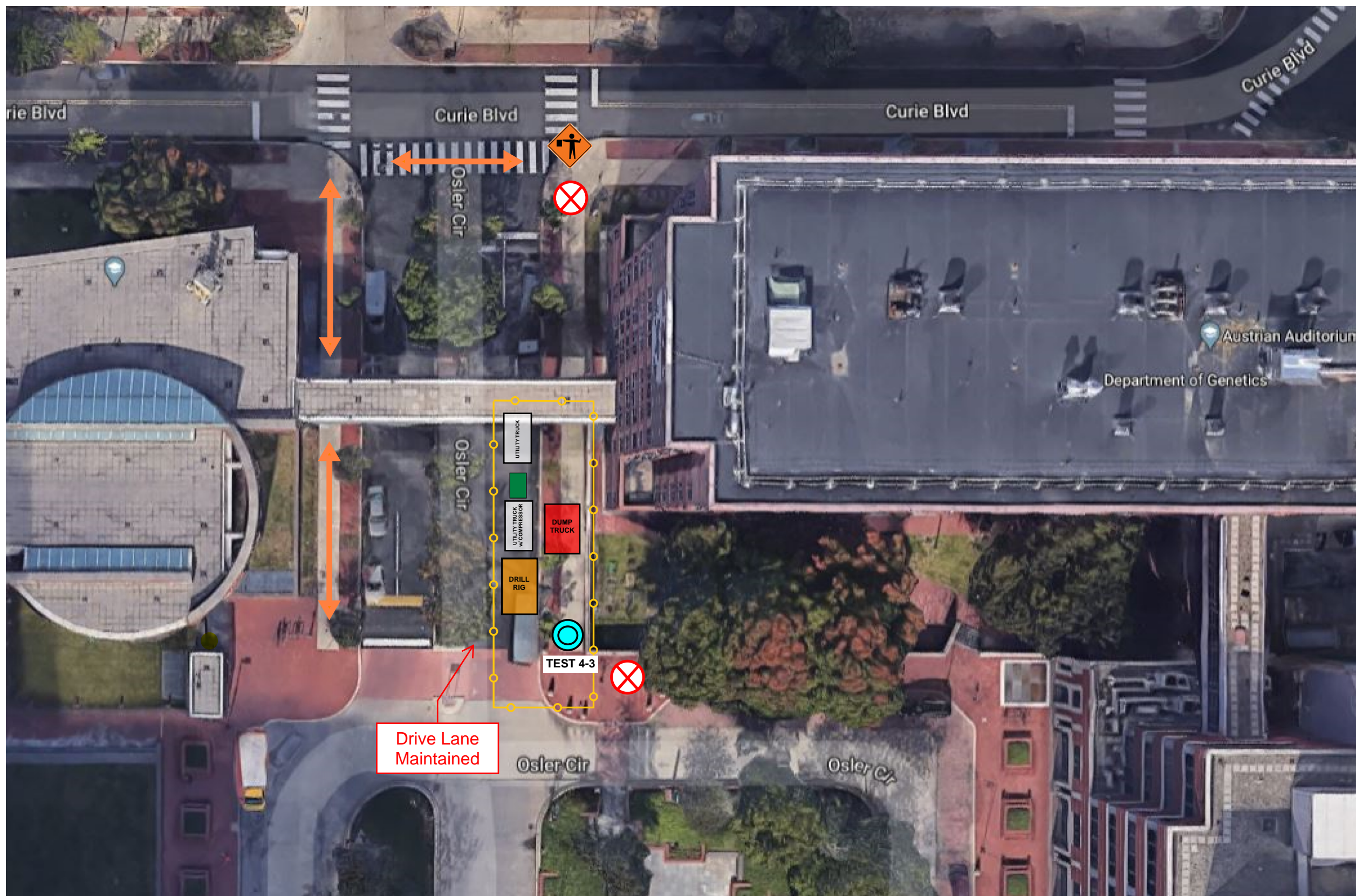
Test Area 1-1

Legend

-  VEHICULAR TRAFFIC
-  PEDESTRIAN TRAFFIC
-  CONSTRUCTION BARRIER/FENCE
-  SIDEWALK CLOSED
-  FLAGMAN
-  CONSTRUCTION BARRELS

Notes

1) TEST AREAS 4-2 AND 4-3 WILL BE COMPLETED CONCURRENTLY.



UCIE - NOISE AND VIBRATION SIMULATIONS

Test Area 4-3