

West Wake Solid Waste Facility

Schematic Design

Wake County Board of Commissioners

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Team



Agenda

- **Introduction & Background**
- **Existing and Proposed Services**
- **Location**
- **Project Need**
- **West Wake Solid Waste Facility - Schematic Design**
- **Budget and Schedule**
- **North Wake Household Hazardous Waste (HHW) Update**

Convenience Centers Master Plan



CC Super Centers

Site 7 – NWLF (2015)

Site 2 – SWLF (2018)

Site 11 – Wendell (2018)

Site 3 – Morrisville (WWSWF)

CC Major Upgrades

Sites 1 (Next) & 4 (Future)

CC Minor Upgrades

Site 5, 6, 8, 9 & 10 (Annual)

WWSWF Services

Rebrand to West Wake Solid Waste Facility
Significant increase in capacity for residents

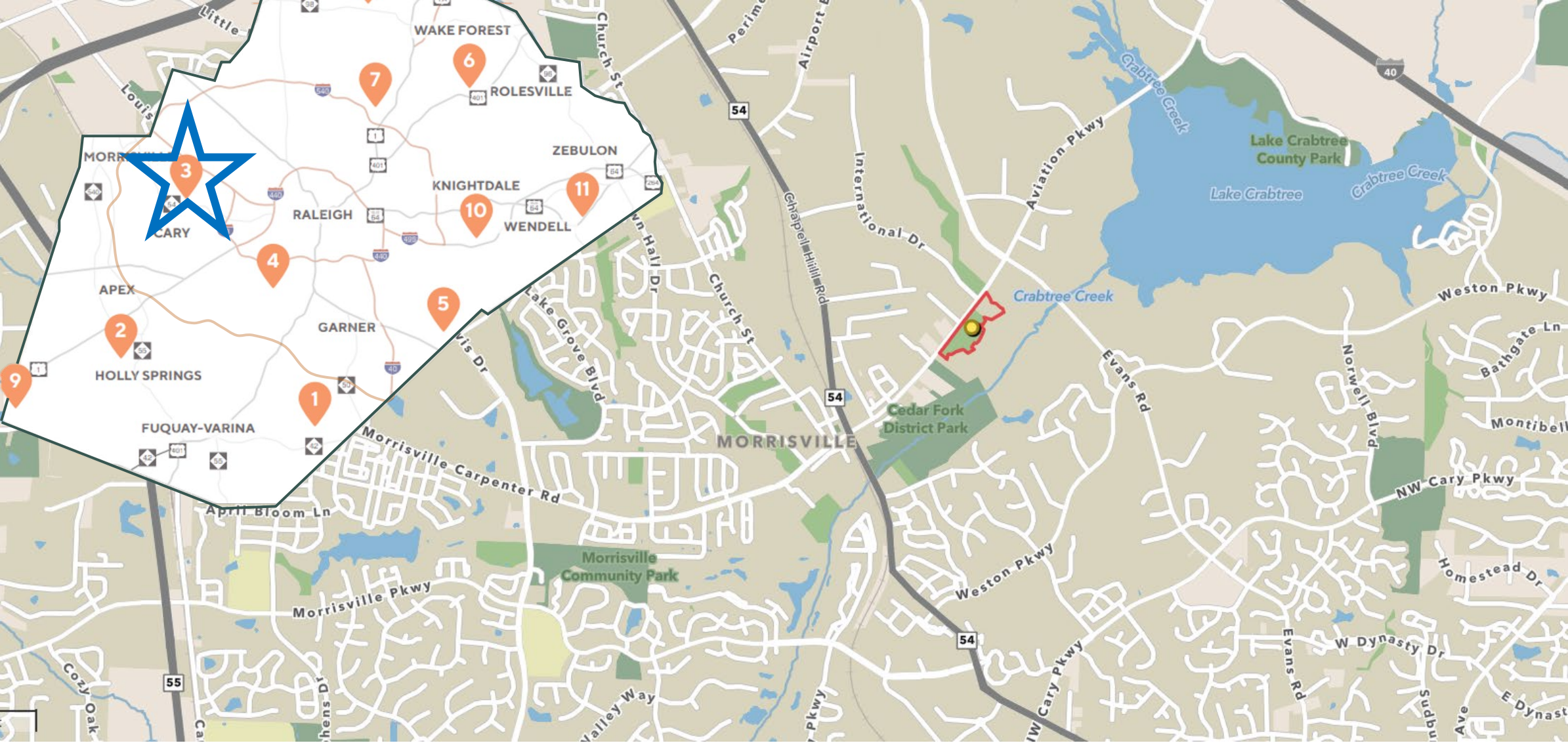
INCREASED SERVICES

- Clothing
- Garbage
- Mixed Recycling
- Oyster Shells
- Scrap Metal
- Cardboard

NEW SERVICES

- White Goods
- Electronics
- Household Hazardous Waste
- C&D Debris
- Tire Collection

Project Location



WWSWF Area Map



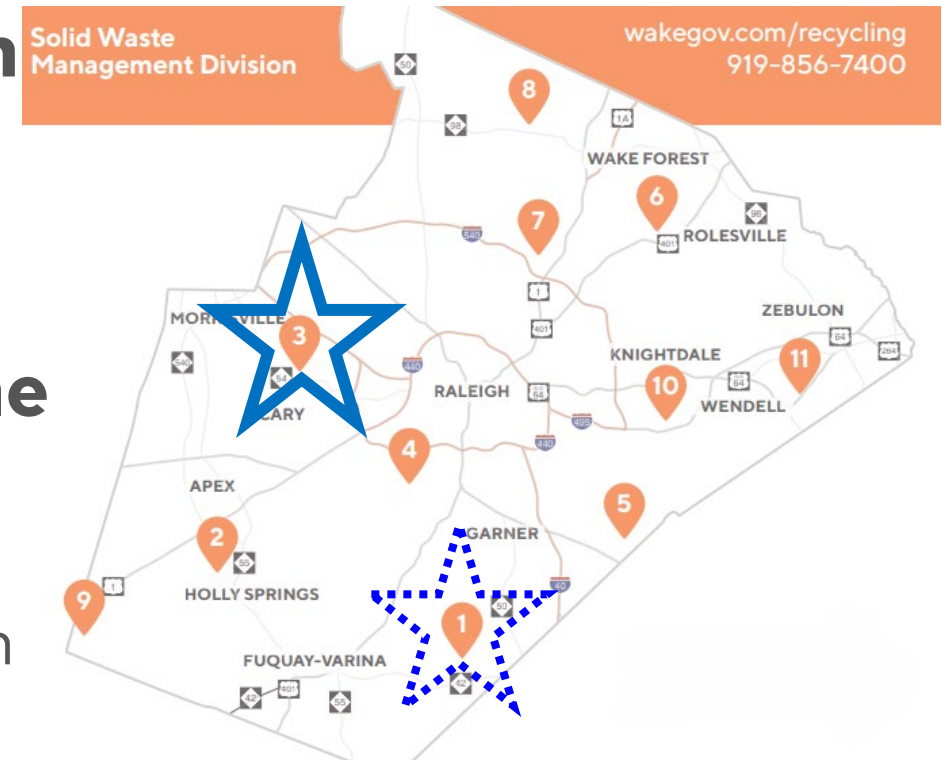
Project Need

- Aged facilities
- Population growth
- Inadequate residential queuing
- NCDOT Aviation Parkway Widening Project

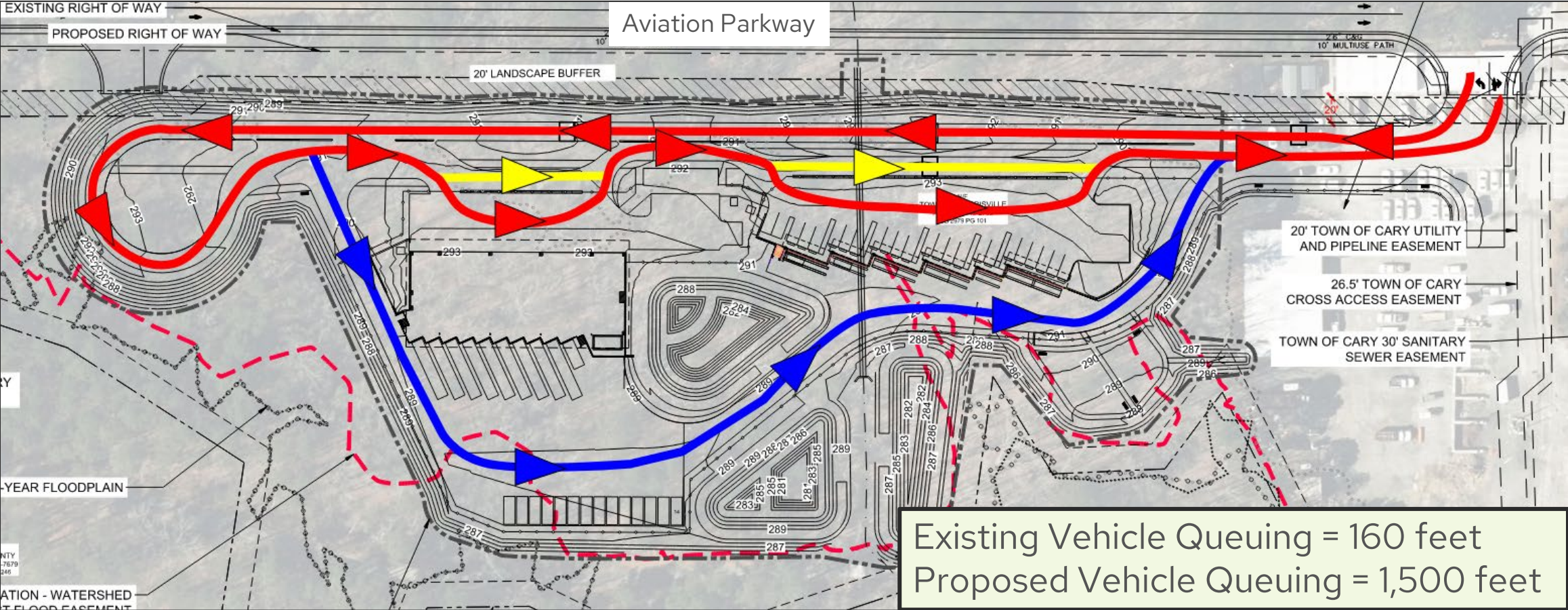


Why Site 3 (Morrisville) vs. Other Sites

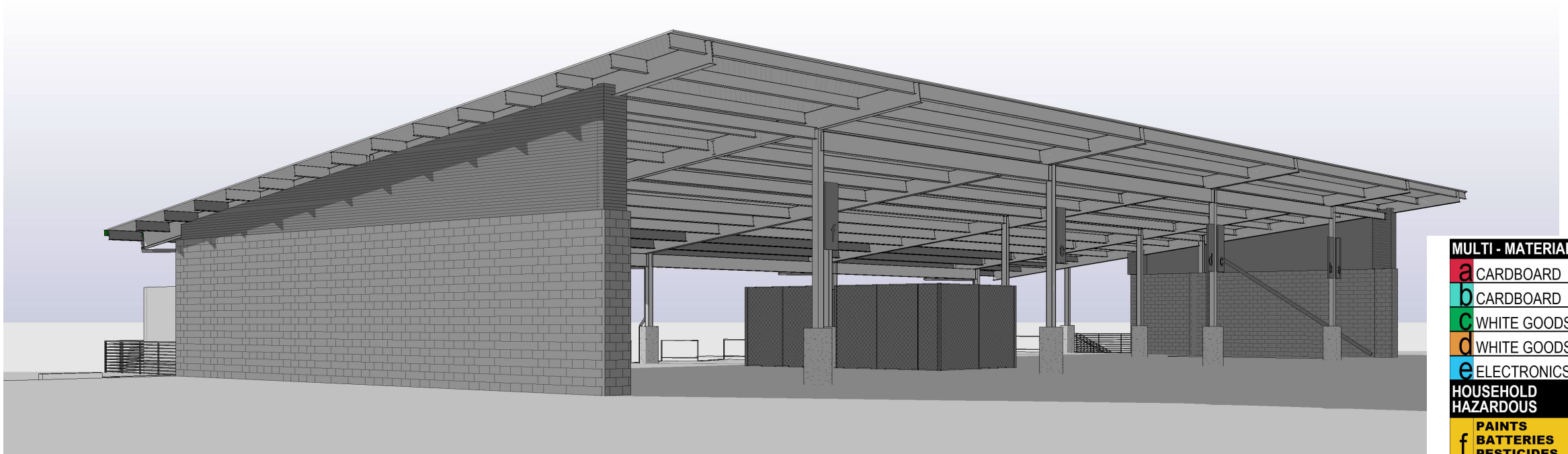
- **Site 3 is smallest remaining site (with cul-de-sac entrance/exit)**
 - There is no facility of this kind within 15 minutes of western Wake County.
- **Site 1 (between Garner and F-V) is the next planned improvement site**
 - Currently much larger site
 - Already has some supercenter features such as electronics collection and C&D debris
 - Additional private property needed



Schematic Design - Traffic Pattern

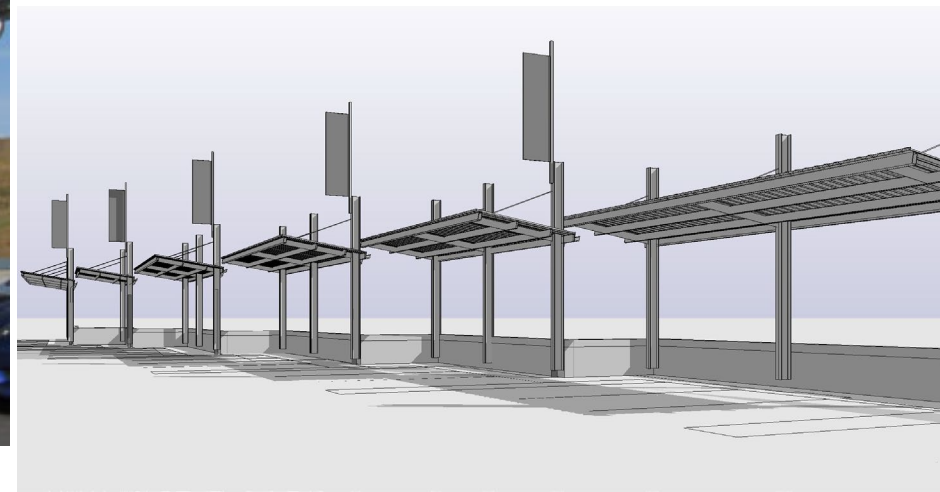
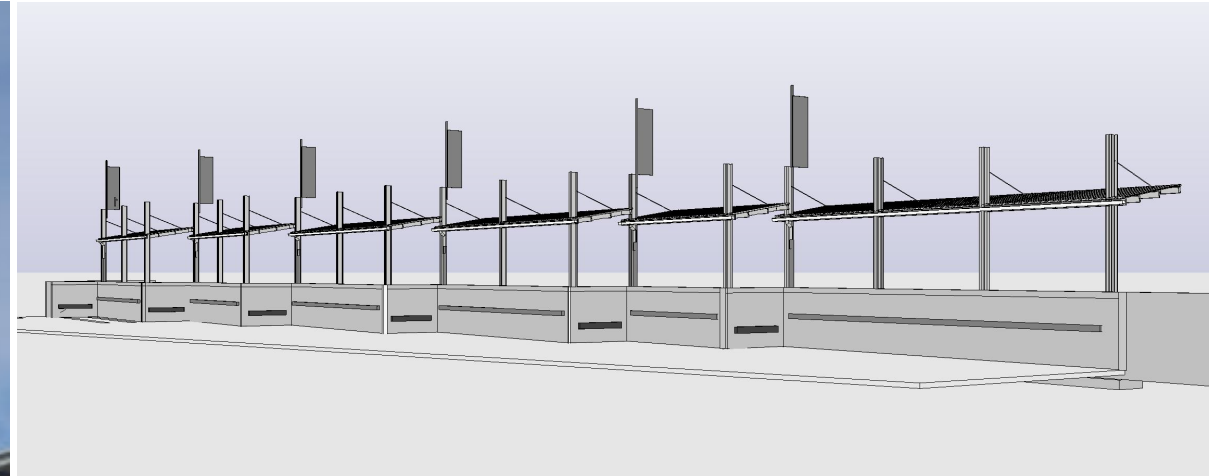


Multi-Materials/HHW Collection



MULTI - MATERIALS	
a	CARDBOARD
b	CARDBOARD
c	WHITE GOODS
C	WHITE GOODS
e	ELECTRONICS
HOUSEHOLD HAZARDOUS	
f	PAINTS BATTERIES PESTICIDES FL/CFL BULBS

Convenience Center



CONVENIENCE	
1	MIXED RECYCLABLES
2	CARDBOARD
3	GARBAGE
4	GARBAGE
5	SCRAP METAL
6	HOUSEHOLD CONSTRUCTION WASTE

Budget and Schedule

- **Current Project Estimate = \$21 Million**
- **Design, Permitting & Bidding = During 2026**
- **Construction Start = 2Q 2027**
- **WWSWF Opening = 4Q 2028**

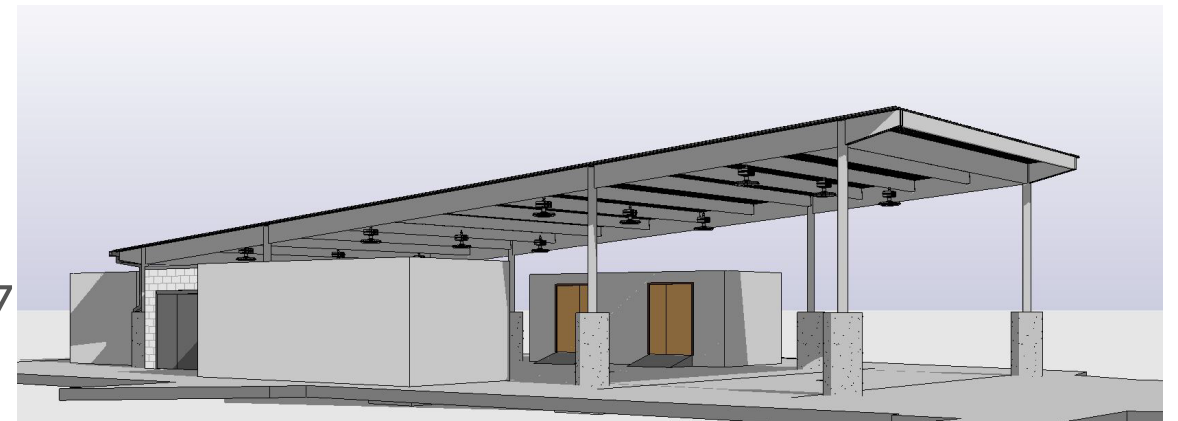
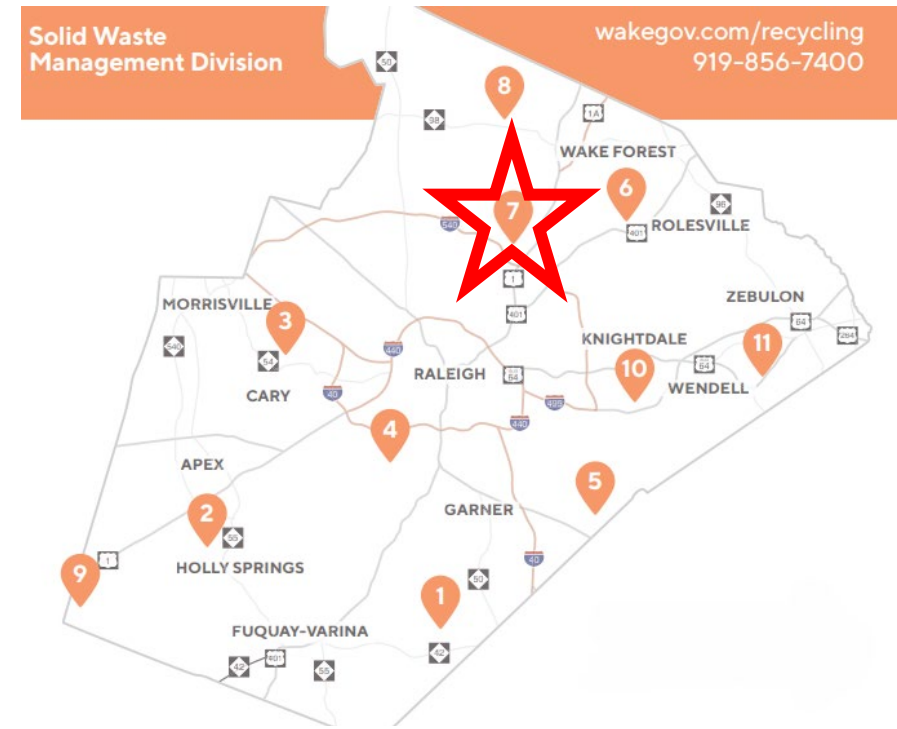


WWSWF Questions?



North Wake HHW Update

- **Damaged by fire in Jan. 2025**
- **Currently operating Saturdays only**
- **Paid by Insurance and Solid Waste CIP**
 - Current County cost estimate is up to ~\$1.5 million
- **Schedule**
 - Final Design/Bidding, July 2026
 - Construction complete, April 2027



Additional Questions?



Thank You!



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