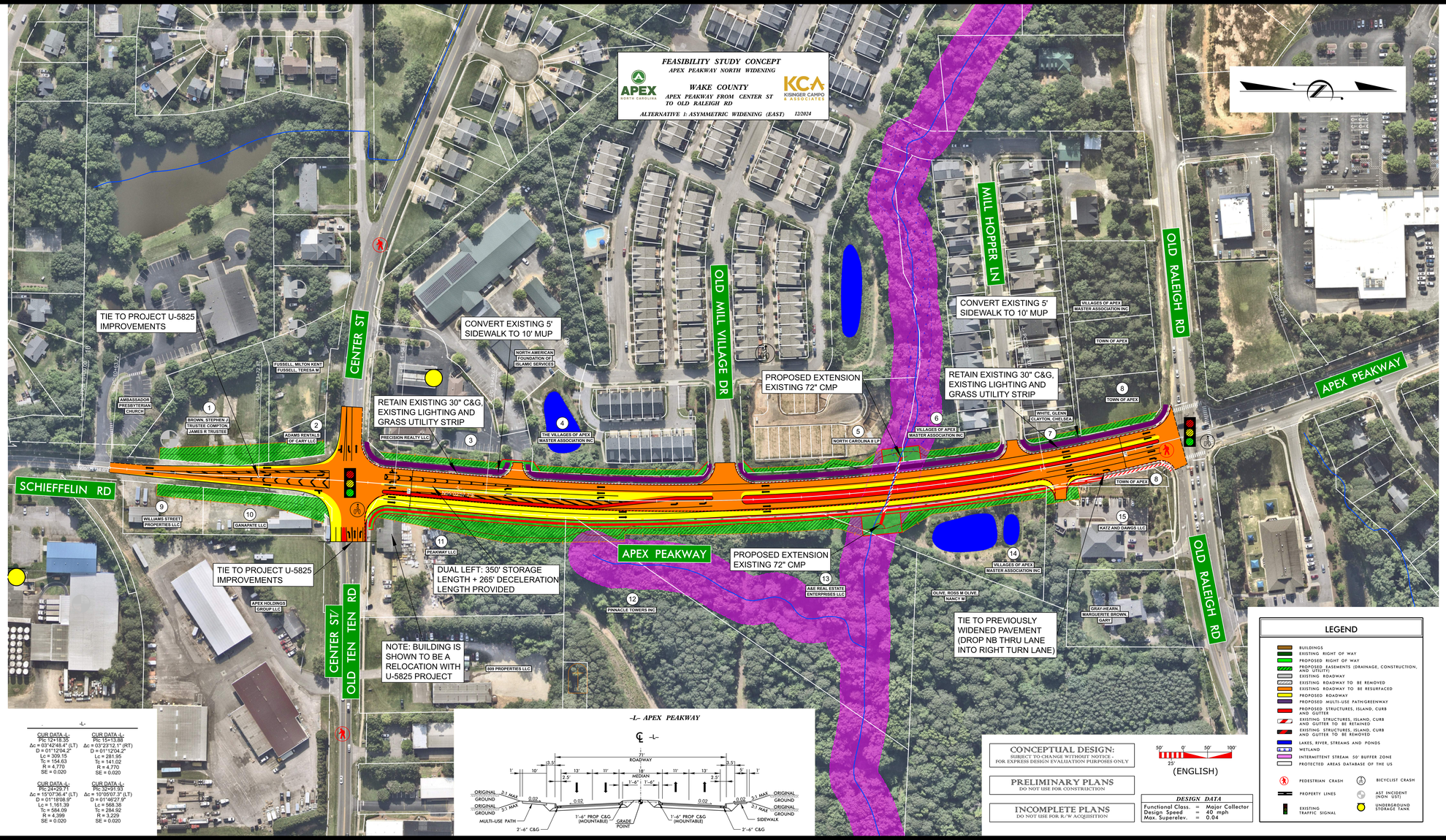
FEASIBILITY STUDY CONCEPT
APEX PEAKWAY NORTH WIDENING

APEX NORTH CAROLINA

WAKE COUNTY
APEX PEAKWAY FROM CENTER ST TO OLD RALEIGH RD

KCA KISINGER CAMPO & ASSOCIATES

ALTERNATIVE 1: ASYMMETRIC WIDENING (EAST) 12/2024



CUR DATA -L-	CUR DATA -L-
PIc 12+18.35	PIc 15+13.88
Δc = 03°42'48.4" (LT)	Δc = 03°23'12.1" (RT)
D = 01°12'04.2"	D = 01°12'04.2"
Lc = 309.15	Lc = 281.95
Tc = 154.63	Tc = 141.02
R = 4,770	R = 4,770
SE = 0.020	SE = 0.020

CUR DATA -L-	CUR DATA -L-
PIc 24+29.77	PIc 32+91.93
Δc = 15°07'36.4" (LT)	Δc = 10°05'07.3" (LT)
D = 01°18'08.9"	D = 01°40'27.9"
Lc = 1,161.39	Lc = 568.38
Tc = 584.09	Tc = 284.52
R = 4,399	R = 3,229
SE = 0.020	SE = 0.020

CONCEPTUAL DESIGN:
SUBJECT TO CHANGE WITHOUT NOTICE - FOR EXPRESS DESIGN EVALUATION PURPOSES ONLY

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

50' 0' 50' 100'
25'
(ENGLISH)

DESIGN DATA		
Functional Class.	=	Major Collector
Design Speed	=	40 mph
Max. Superelev.	=	0.04

LEGEND

- BUILDINGS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- PROPOSED MULTI-USE PATH/GREENWAY
- PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE RETAINED
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE REMOVED
- LAKES, RIVER, STREAMS AND PONDS
- WETLAND
- INTERMITTENT STREAM 50' BUFFER ZONE
- PROTECTED AREAS DATABASE OF THE US
- PEDESTRIAN CRASH
- BICYCLIST CRASH
- PROPERTY LINES
- AST INCIDENT (NON UST)
- EXISTING TRAFFIC SIGNAL
- UNDERGROUND STORAGE TANK

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