

### 17 Mile House

- Prairie Point Development Overview
- 17 Mile House Park Project
- Construction Cost
- Next Steps



# Prairie Point Development











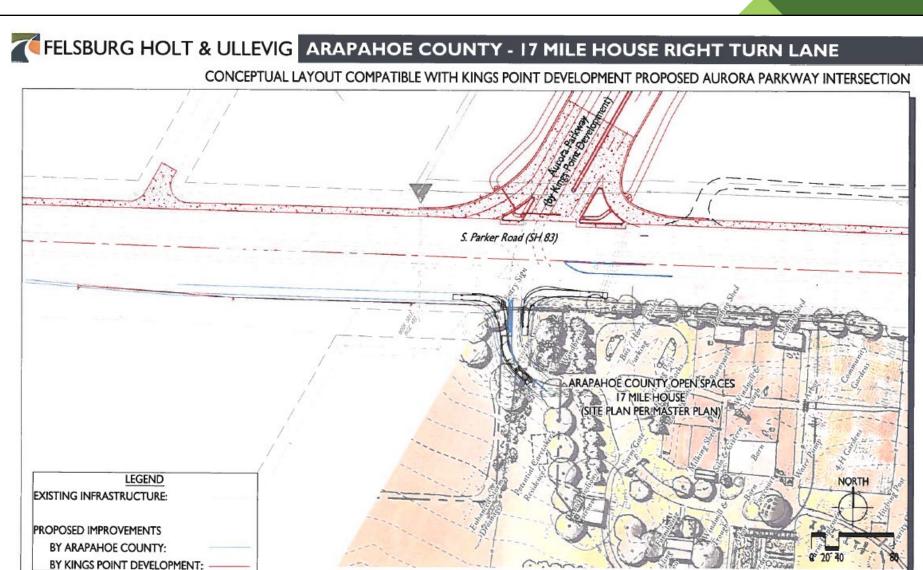
DISCLAIMER THIS GRAPHIC IS FOR ILLUSTRATIVE PURPOSES ONLY LOTS, ROADS, GOLF, DRAINAGE, ETC. ARE SUBJECT TO CHANGE.





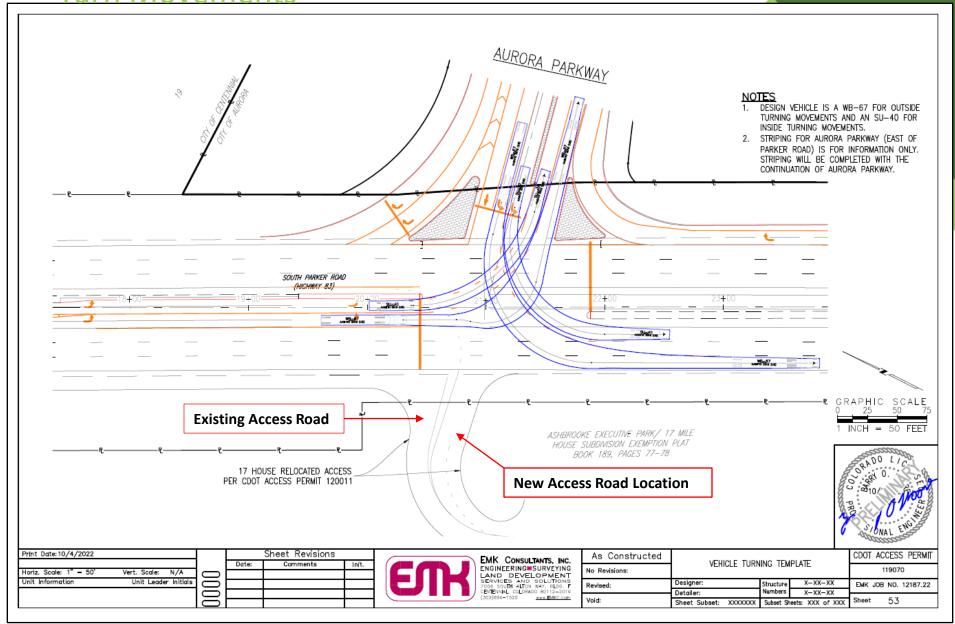
December 5, 2018

### Aurora Parkway/Parker Road Intersection



# Aurora Parkway/Parker Road Intersection Turn Movements





### 17 Mile House Intersection Project



### CERTIFICATION STATEMENT

I HEREBY AFFIRM THAT THESE CONSTRUCTION DRAWINGS FOR 17 MILE HOUSE PARK INTERSECTION WERE PREPARED BY ME (OR UNDER MY DIRECT SUPERVISION) IN ACCORDANCE WITH THE REQUIREMENTS OF THE INFRASTRUCTURE DESIGN AND CONSTRUCTION STANDARDS AND THE STORMWATER MANAGEMENT MANUAL OF ARAPAHOE COUNTY.



KENDRA GABBERT LICENSED PROFESSIONAL ENGINEER STATE OF COLORADO NO. 45344 FELSBURG HOLT & ULLEVIG

THE COUNTY'S APPROVAL ONLY APPLIES TO THE DRAINAGE DESIGN IN COUNTY'S PROPERTY

DEPARTMENT OF PUBLIC WORKS AND



### ARAPAHOE COUNTY OPEN SPACES 17 MILE HOUSE PARK INTERSECTION

CDOT ACCESS PERMIT NUMBER 120011 LOCATED IN THE S1/2, SW1/4, SEC. 33, T.5S., R.66W., SIXTH P.M. COUNTY OF ARAPAHOE, STATE OF COLORADO **AUGUST 3, 2023** 



### **INDEX OF SHEETS**

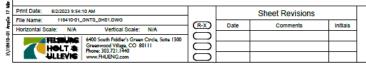
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLANS LIST
3 to 4	GENERAL NOTES
5	SURVEY TABULATION
6	TYPICAL SECTIONS
7 to 8	SUMMARY OF APPROXIMATE QUANTITES
9	ROADWAY TABULATIONS
10	GEOMETRY PLAN
11 to 12	REMOVAL PLANS
13 to 14	ROADWAY PLANS
15 to 17	ROADWAY PROFILES
18	TURNING TEMPLATES
19	TABULATION OF STORM SEWER
20 to 24	DRAINAGE DETAILS
25 to 26	DRAINAGE PLANS
27 to 28	DRAINAGE PROFILES
29	SIGNING AND STRIPING PLANS
30	CONSTRUCTION TRAFFIC CONTROL
31 to 35	ROADWAY CROSS SECTIONS

TABULATION OF LENGTH				
	LINEA	LINEAR FEET		
STATION	ROADWAY	MAJOR STRUCTURE		
SH 83				
STA 63.300+35BEGIN ROADWAY	742.20			
STA 83.307+77END ROADWAY	742.20			
TOTALS	742.20	0.00		
SUMMARY	LIN. FT.	MILES		
ROADWAY	742.20	0.14		
MAJOR STRUCTURE	0.00	0.00		
GROSS AND NET LENGTH	742.20	0.14		

### TABULATION OF DESIGN DATA

	SH 83
DESIGN SPEED (MPH)	60
MIN HORIZ RADIUS (FEET)	1330
MIN STOPPING SIGHT DISTANCE (FEET)	450
MAX GRADE (%)	4.0
CLEAR ZONE DISTANCE (TANGENT) (FEET)	30

THIS DESIGN IS IN FULL COMPLIANCE WITH SECTION 4 OF THE STATE HIGHWAY ACCESS CODE, 2 CCR 601-1 EXCEPT FOR THE FOLLOWING APPROVED DESIGN WAIVERS: (IF ANY)





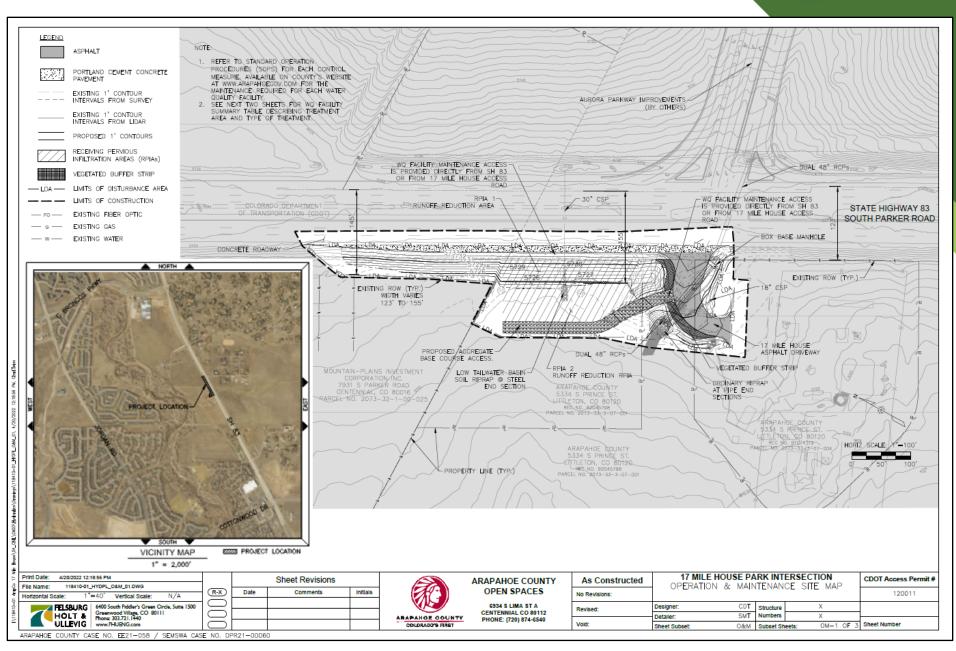
ARAPAHOE COUNTY OPEN SPACES

6934 S LIMA ST A **CENTENNIAL CO 80112** PHONE: (720) 874-6540

As Constructed	17 MILE HOUSE PARK INTERSECTION TITLE SHEET			CDOT Access Permit #			
No Revisions:	TITLE SHEET		120011	٦			
Revised:	Designer:	ESA	Structure				٦
	Detaller:	BCN	Numbers			4	$\dashv$
Vold:	Sheet Subset:	GENERAL	Subset Sh	eets:	TL-01 of 1	Sheet Number 1	╝

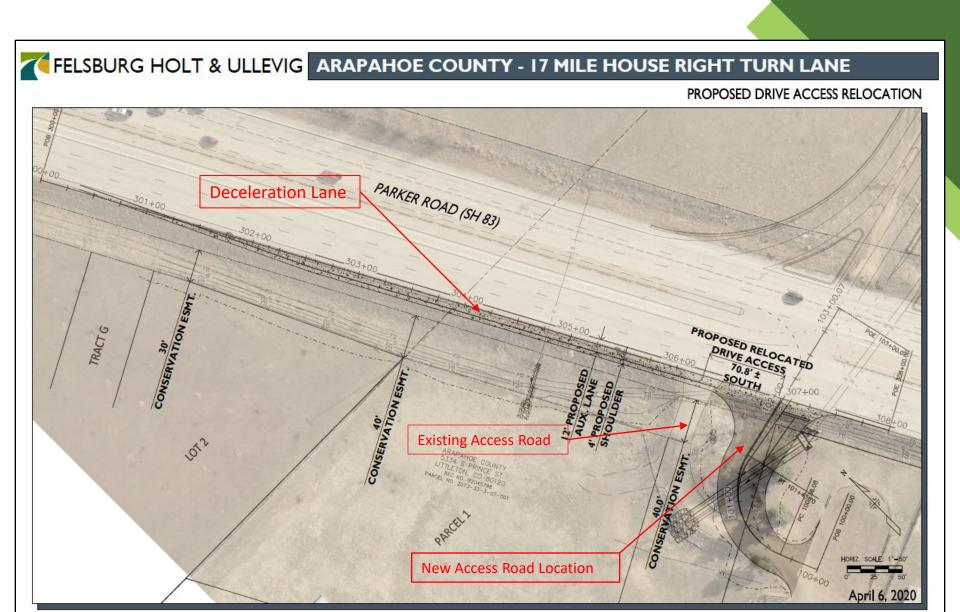
DEVELOPMENT APPROVAL BLOCK





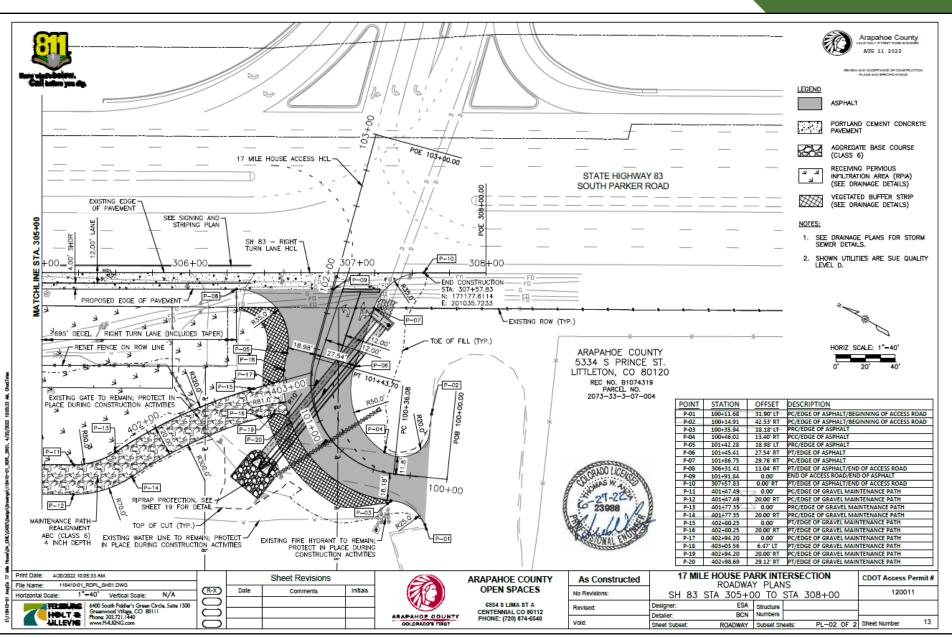


### 17 Mile House Deceleration Lane & Entrance



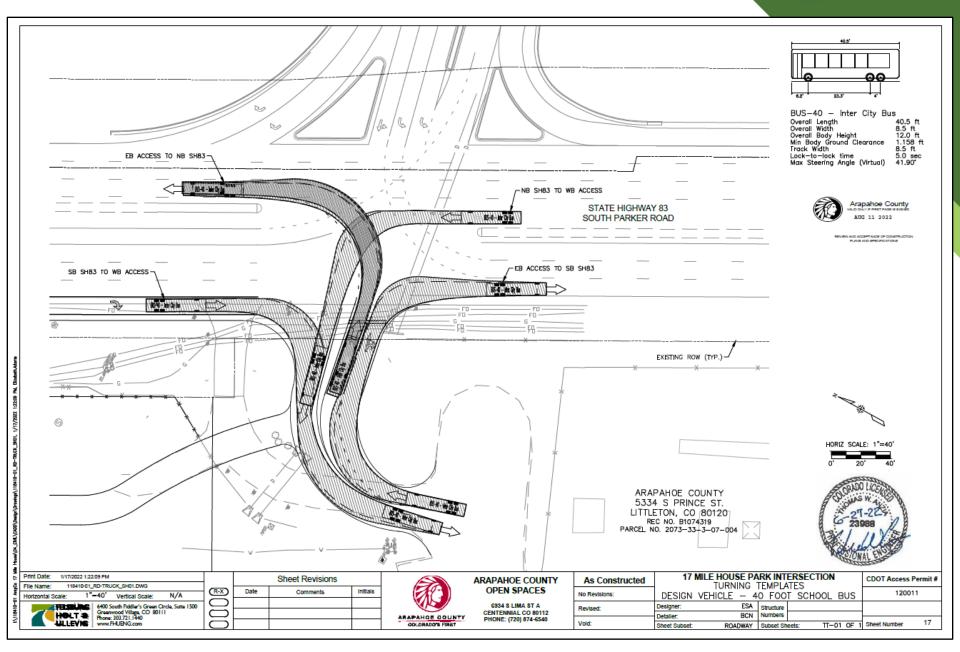
### 17 Mile House Entrance





### 17 Mile House Turn Movements





## **Construction Cost**

Task	Cost	
17 MH Entrance	\$921,700 (2022)	
Traffic Signal (35% of total cost)	\$210,000 (2022)	
Project Management Fee (4%)	\$45,270	
Contingency (25%)	\$294,242.50	
Total	\$1,471,212.50	



# **Next Steps**

Task	<b>Completion Time</b>
Reissue CDOT Access Permit	Dec 2023
Finalize NTP	Dec 2023
Construction	TBD



