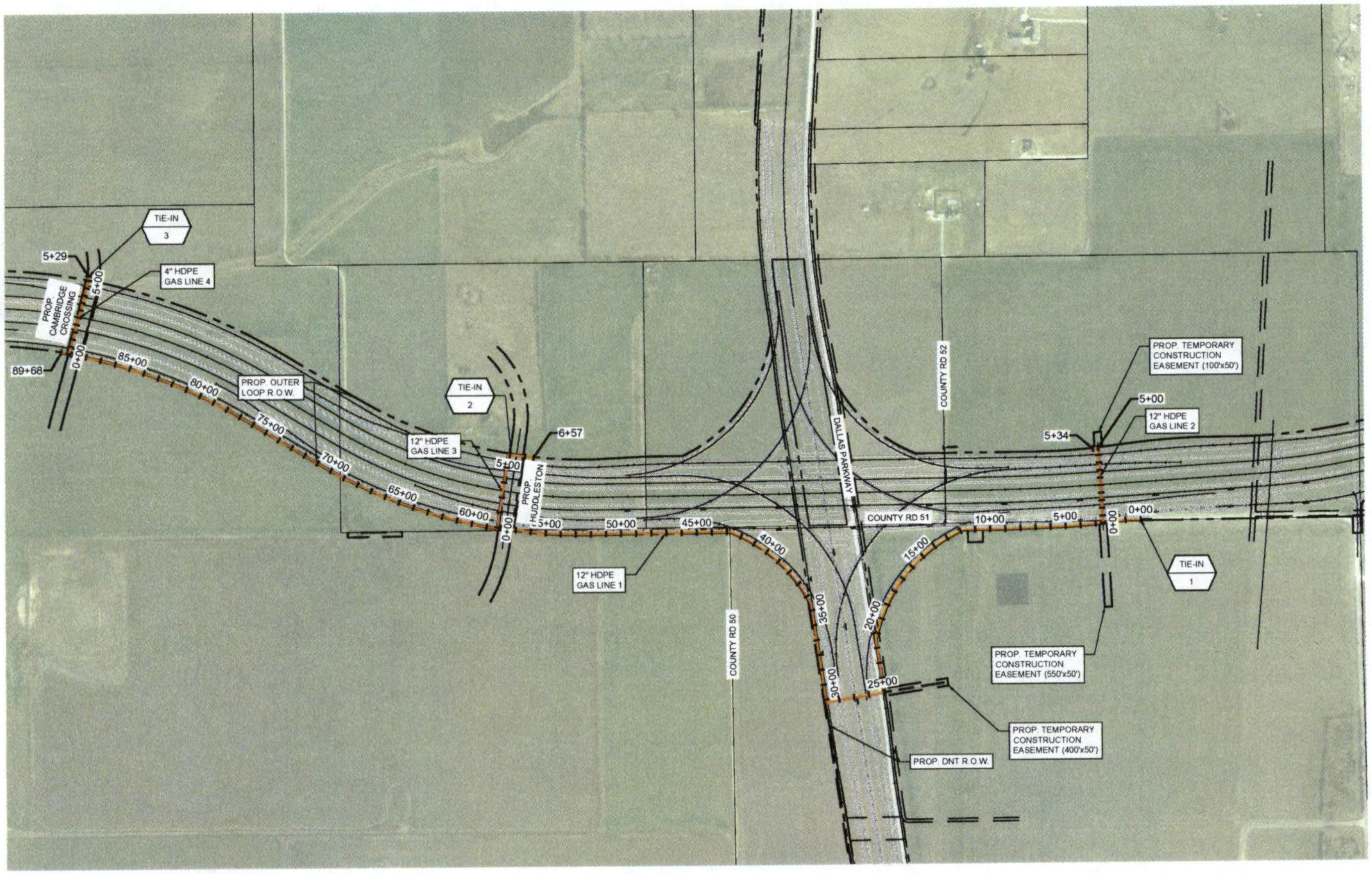

0 200 400 800ft.
GRAPHIC SCALE

LEGEND

- PROPOSED ATMOS ENERGY POLY
- PROPOSED ATMOS ENERGY STEEL CASING
- EXISTING ATMOS ENERGY PIPELINE — GAS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STORM DRAINAGE
- PROPOSED WATER — W
- EXISTING WATER — W
- EXISTING OVERHEAD ELECTRIC — OH/E

!! CAUTION !!
ALL UNDERGROUND OBSTRUCTIONS MAY NOT BE LOCATED

BARLOW EQUATION FOR PLASTIC PIPE	$P=2S\frac{t}{(D-t)}(DF)$
D = OUTSIDE PIPE DIAMETER (in)	12.75
t = WALL THICKNESS (in)	1.159
DF = 0.32, PER CFR 192.121	0.32
S = HDB at 73° F (psi)	1600
P = MAOP (psig)	102.4

PROPOSED ROADWAY INTERCHANGE AND MAINLANES ARE SHOWN FOR REFERENCE ONLY. THE INFORMATION IS BASED ON CURRENT (APRIL 2019) PRELIMINARY SCHEMATIC DESIGNS AND IS SUBJECT TO CHANGE.

APPROXIMATE PROJECT TOTALS (LINEAR FEET)

SIZE & MATERIAL	TO BE INSTALLED	TO BE ABANDONED	TO BE REMOVED
4" HDPE	529 FT	N/A	N/A
6" HDPE	10 FT	N/A	N/A
8" STEEL	482 FT	N/A	N/A
12" HDPE	10,405 FT	N/A	N/A
16" STEEL	1,346 FT	N/A	N/A

POLY PIPE TABLE

PIPING SPECIFICATIONS				DESIGN DATA	TESTING REQUIREMENTS	
DESCRIPTION	O.D. (IN.)	W.T. (IN.)	PIPE GRADE	DESIGN PRESS P.S.I.G.	TEST PRESS P.S.I.G.	TEST DUR HRS
4" HDPE	4.500	0.409	PE4710	60	150	8
6" HDPE	6.625	0.602	PE4710	60	150	8
12" HDPE	12.750	1.159	PE4710	60	150	8
8" STEEL	8.625	0.322	X52	N/A	N/A	N/A
16" STEEL	16.000	0.375	X52	N/A	N/A	N/A

REV.	DESCRIPTION	BY	DATE	CHK'D	APP'D
0	IFC ISSUED FOR CONSTRUCTION	AS	06/17/2019	TT	CM

ATMOS energy

HALFF TRITEX
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS 75081
TEL (214) 217-6500
ENGINEERING FIRM # 15787

STATE OF TEXAS
CHARLIE B. MORAN, III
101189
LICENSED PROFESSIONAL ENGINEER
06/17/2019

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ATMOS PM: DAVID COKER
ATMOS PROJ. #: 080.63096
HTT PROJ. #: T35721.056
SHEET TITLE
CAMBRIDGE CROSSING OFF-SITE
12" HDPE MAIN EXTENSION
COLLIN COUNTY, TEXAS
CITY OF CELINA
LAYOUT DESCRIPTION
OVERALL
HTT SHT. #: H102
ATMOS DWG. #
080.63096