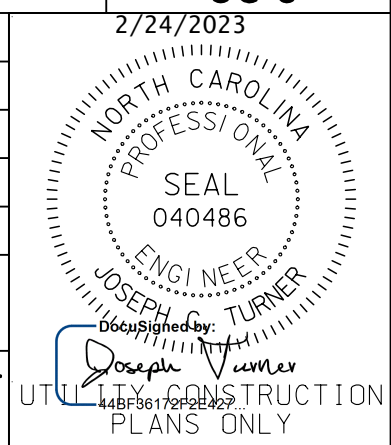




AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
5438 WADE PARK BLVD., SUITE 200, RALEIGH, NC 27607
919-461-1100
F-0342

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGNED BY:	2/24/2023
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



UTILITY CONSTRUCTION

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval
Raleigh Water Review Officer

0501	TOP=203.1 INV=200.1	0511	TOP=203.6 INV=199.8	0520	TOP=202.3 INV=199.3	0533	TOP=203.6 INV=200.6	0545	TOP=202.3 INV=199.0	0562	TOP=216.1 INV=213.0
0502	TOP=202.9 INV=199.7	0512	TOP=203.3 INV=199.6	0521	TOP=201.9 INV=198.9	0534	TOP=211.9 INV=208.7	0546	TOP=202.1 INV=198.7	0563	TOP=202.5 INV=199.9
0503	TOP=202.8 INV=199.8	0513	TOP=202.1 INV=199.1	0522	TOP=203.5 INV=200.5	0535	TOP=212.5 INV=208.7	0547	TOP=202.1 INV=197.9	0564	TOP=202.8 INV=199.9
0504	TOP=203.5 INV=200.5	0514	TOP=203.2 INV=198.4	0523	TOP=202.0 INV=199.0	0536	TOP=203.9 INV=200.9	0548	TOP=198.6 INV=195.6	0565	TOP=202.5 INV=197.4
0505	TOP=202.6 INV=199.6	0515	TOP=202.4 INV=199.4	0524	TOP=201.8 INV=198.0	0537	TOP=202.8 INV=199.8	0549	TOP=202.8 INV=199.8	0566	TOP=202.8 INV=199.9
0506	TOP=202.5 INV=199.3	0516	TOP=202.2 INV=199.2	0525	TOP=202.0 INV=197.2	0538	TOP=202.8 INV=199.5	0550	TOP=203.6 INV=218.0	0567	TOP=210.7 INV=207.4
0507	TOP=201.4 INV=198.7	0517	TOP=202.2 INV=199.2	0526	TOP=200.9 INV=196.6	0539	TOP=203.3 INV=200.3	0551	TOP=221.3 INV=217.1	0568	TOP=204.9 INV=203.6
0508	TOP=202.0 INV=198.2	0518	TOP=202.6 INV=199.6	0527	TOP=202.9 INV=195.2	0540	TOP=202.8 INV=199.0	0552	TOP=226.9 INV=223.7	0569	TOP=207.7 INV=202.8
0509	TOP=206.7 INV=203.6	0519	TOP=202.2 INV=199.0	0528	TOP=211.3 INV=208.3	0541	TOP=202.8 INV=216.6	0553	TOP=220.6 INV=216.6	0570	TOP=202.2 INV=199.1
0510	TOP=208.6 INV=204.9			0529	TOP=203.8 INV=194.9	0542	TOP=214.4 INV=211.4	0554	TOP=221.3 INV=216.6	0571	TOP=202.2 INV=197.8
						0543	TOP=206.3 INV=203.3	0555	TOP=226.4 INV=223.4		
						0544	TOP=203.4 INV=200.4	0556	TOP=220.7 INV=213.4		
						0548	TOP=202.9 INV=199.9	0558	TOP=198.6 INV=195.6		
						0549	TOP=202.7 INV=199.7				

CUT AND TIE TO EXIST.
16" WATER LINE W/
16" RJDI LONG BODY
SOLID SLEEVE & THRUST
BLOCK STA. 0+00.00

PROP. 5' DIA.
UTILITY MANHOLE
4' - UTILITY MANHOLE
WALL, 5' DIA
1- 16" VALVE

PROP. 396' - 16"
DI WATER LINE
LINE WL1/ SEE SHEET
UC-17 FOR PROFILE

PROP. 2- 16"
DI 45 DEGREE
BEND W/ BLOCK

PROP. 1- FIRE HYDRANT
5' - FIRE HYDRANT LEG
1- REMOVE FIRE HYDRANT

PROP. 1- FIRE HYDRANT
8' - FIRE HYDRANT LEG
1- REMOVE FIRE HYDRANT

PROP. 1- 16"
INSERTION VALVE
LOCATE 100'
MIN. FROM
PIPE CUT

PROP. 16" x 16"
DI TEE W/ BLOCK

PROP. 2- 16"
DI 11.25 DEGREE
BEND W/ BLOCK

CUT AND TIE TO EXIST.
16" WATER LINE W/
16" RJDI LONG BODY
SOLID SLEEVE & THRUST
BLOCK STA. 3+85

MATCHLINE -L- 3+00
SEE SHEET UC-4

PROP. 20' - 16"
DI WATER LINE

PROP. 388' - ABANDON
16" UTILITY PIPE

PROP. 1 - REMOVE &
REPLACE BLOW-OFF
VALVE

TIE TO EXIST. 16" VALVE
WITH RJDI PIPE

PROP. 1 - ABANDON
UTILITY MANHOLE

PROP. 1 -
REMOVE FIRE HYDRANT

CUT AND TIE TO EXIST. 8"
WATER LINE W/ 8" RJDI LONG
BODY SOLID SLEEVE & THRUST
BLOCK STA. 0+00

PROP. 145' - ABANDON
8" UTILITY PIPE

PROP. 8" x 6" TEE
W/ BLOCK

PROP. 2- 8" DI 45-DEGREE
BEND W/ BLOCK

PROP. 1 - FIRE HYDRANT
1- 6" VALVE
18' - FIRE HYDRANT LEG

PROP. 150' - 8"
DI WATER LINE
LINE WL2 SEE SHEET
UC-17 FOR PROFILE

PROP. 8" DI 11.25 DEGREE BEND
W/ BLOCK

CUT AND TIE TO EXIST. 8" DI WATER LINE W/ 8" RJDI
LONG BODY SOLID SLEEVE & THRUST BLOCK STA. 1+50.2

PROP. 1- 8"
INSERTION VALVE

LOCATE 100' MIN.
FROM PIPE CUT

THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE
FITTINGS ON THIS PLAN SHEET IS 3570 POUNDS. THE
ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY
BASED ON FIELD CONDITIONS.

DATE: 2/24/2023
TIME: 3:07:01 PM
DGN: c:\pwworking\king\work\2020\ms.884\5145148_uc_ast05.dgn

MATCHLINE -L- 44+00
SEE SHEET UC-6