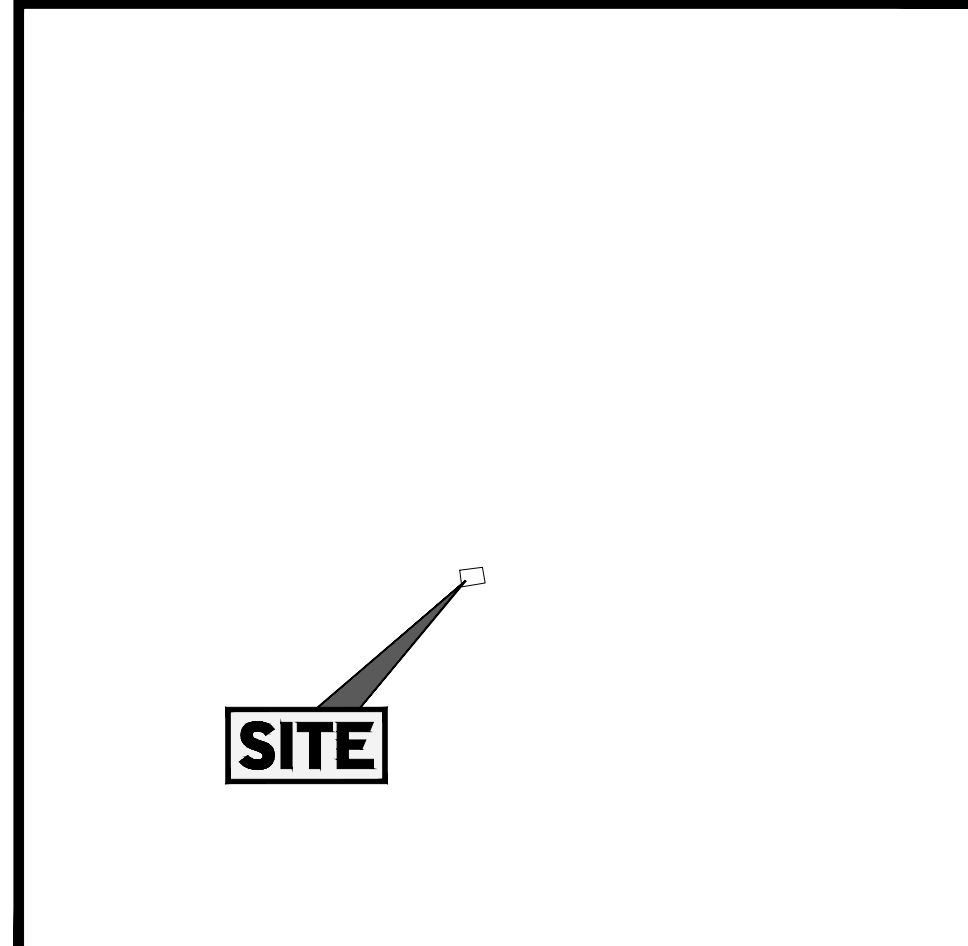


SANITARY STRUCTURE SCHEDULE				
NAME	TYPE	RIM ELEV. (FT.)	INVERTS	
A1	PROP. CONNECTION	212.53'	INV IN = 204.50' (6")	
A2	PROP. CONNECTION	212.68'	INV IN = 204.25' (6")	
BLDG1	PROP. BLDG CONNECTION	0.00'	INV OUT = 209.25' (6")	
BLDG2	PROP. BLDG CONNECTION	0.00'	INV OUT = 209.25' (6")	
BLDG3	PROP. BLDG CONNECTION	209.72'	INV OUT = 209.25' (6")	
BLDG4	PROP. BLDG CONNECTION	209.80'	INV OUT = 209.25' (6")	
CO1	PROP. CO	212.44'	INV IN = 205.55' (6") INV OUT = 205.55' (6")	
CO2	PROP. CO	212.15'	INV IN = 206.66' (6") INV OUT = 206.66' (6")	
CO3	PROP. CO	0.00'	INV IN = 208.55' (6") INV OUT = 208.55' (6")	
CO4	PROP. CO	0.00'	INV IN = 208.80' (6") INV OUT = 208.80' (6")	
CO5	PROP. CO	0.00'	INV IN = 209.05' (6") INV OUT = 209.05' (6")	
CO6	PROP. CO	213.09'	INV IN = 205.30' (6") INV OUT = 205.30' (6")	
CO7	PROP. CO	212.17'	INV IN = 205.82' (6") INV OUT = 205.82' (6")	
CO8	PROP. CO	207.78'	INV IN = 207.97' (6") INV OUT = 207.97' (6")	
CO9	PROP. CO	211.63'	INV IN = 207.97' (6") INV OUT = 207.97' (6")	
CO10	PROP. CO	211.62'	INV IN = 208.08' (6") INV OUT = 208.08' (6")	
CO11	PROP. CO	212.61'	INV IN = 208.34' (6") INV OUT = 208.34' (6")	
CO12	PROP. CO	212.64'	INV IN = 208.77' (6") INV OUT = 208.77' (6")	
CO13	PROP. CO	212.73'	INV IN = 209.15' (6") INV OUT = 209.15' (6")	
GT1	PROP. GREASE TRAP	0.00'	INV IN = 208.91' (6") INV OUT = 208.91' (6")	
GT2	PROP. GREASE TRAP	211.85'	INV IN = 208.20' (6") INV OUT = 208.20' (6")	
MH1	PROP. 48" MH	0.00'	INV IN = 208.71' (6") INV OUT = 208.71' (6")	

SANITARY PIPE SCHEDULE							
FROM	FROM INV	TO	TO INV	PIPE LENGTH	SLOPE (%)	DIAMETER (IN.)	MATERIAL
CO7	205.82'	CO8	207.59'	88.47'	2.00%	6"	PVC
CO13	209.15'	BLDG3	209.25'	2.28'	4.39%	6"	PVC
A1	204.50'	CO1	205.55'	51.95'	2.01%	6"	PVC
BLDG1	209.25'	CO5	209.05'	8.97'	2.22%	6"	PVC
CO5	209.05'	CO4	208.80'	12.40'	2.00%	6"	PVC
CO4	208.80'	MH1	208.70'	5.12'	2.01%	6"	PVC
BLDG2	209.25'	GT1	208.91'	13.91'	2.44%	6"	PVC
GT1	208.91'	MH1	208.71'	9.90'	2.02%	6"	PVC
MH1	208.71'	CO3	208.55'	7.99'	2.00%	6"	PVC
CO3	208.55'	CO2	206.66'	86.64'	2.18%	6"	PVC
CO2	206.66'	CO1	205.55'	55.33'	2.01%	6"	PVC
CO6	205.30'	CO7	205.82'	26.41'	2.00%	6"	PVC
CO9	207.97'	CO8	207.59'	18.89'	2.00%	6"	PVC
A2	204.25'	CO6	205.30'	52.15'	2.02%	6"	PVC
CO13	209.15'	CO9	207.97'	28.22'	4.19%	6"	PVC
BLDG4	209.25'	CO12	208.77'	7.93'	6.05%	6"	PVC
CO12	208.77'	CO11	208.34'	21.65'	2.00%	6"	PVC
CO11	208.34'	GT2	208.20'	7.05'	2.00%	6"	PVC
GT2	208.20'	CO10	208.08'	5.64'	2.00%	6"	PVC
CO10	208.08'	CO9	207.97'	5.77'	2.01%	6"	PVC



LOCATION MAP		
SCALE: N.T.S.		
PLAN REFERENCE:		
Copyright Corporation: GOOGLE MAPS		
UTILITY LEGEND		
EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
---	PROPERTY LINE	---
---	UNDERGROUND WATER LINE	---
---	UNDERGROUND FIBER OPTIC	---
---	OVERHEAD WIRE	---
---	UNDERGROUND ELECTRIC SERVICE	---
---	UNDERGROUND TELEPHONE	---
---	STORM SEWER	---
---	SANITARY SEWER MAIN	---
---	LIMITS OF DISTURBANCE	---
---	UTILITY POLE/LIGHT	---
---	CLEAN OUT	---
---	SANITARY MANHOLE	---
---	STORM CURB INLET	---
---	STORM INLET	---
---	WATER VALVE	---
---	WATER METER	---
---	SANITARY LABEL	---
---	STREET LIGHT	---

- UTILITY CONSTRUCTION NOTES:
- ALL WATER MAINS, LATERALS AND APPURTENANCES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH FAYETTEVILLE PWC STANDARDS.
 - ALL SEWER MAINS, LATERALS, AND APPURTENANCES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH FAYETTEVILLE PWC STANDARDS.
 - ALL CONSTRUCTION TO BE IN ACCORDANCE WITH FAYETTEVILLE PWC STANDARDS.
 - CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR ALL WATER OUTAGES.
 - CONSTRUCTION STAKING IS REQUIRED FOR ALL PWC WATER AND SEWER UTILITY INSTALLATIONS. CUT SHEETS, SIGNED AND SEALED BY A NC PLS, SHALL BE PROVIDED TO THE PWC WATER RESOURCES ENGINEERING DEPARTMENT AND THE CONTRACTOR IN ADVANCE OF CONSTRUCTION FOR PWC WATER AND SEWER UTILITIES.
 - CONTRACTOR SHALL MAINTAIN A COPY OF THE SIGNED AND SEALED CUT SHEET ON THE JOB CONSTRUCTION ON PWC WATER AND SEWER UTILITIES CANNOT BEGIN UNTIL THE CONTRACTOR POSSESSES, ON SITE, A SIGNED AND SEALED CUT SHEET FROM THE PROFESSIONAL LAND SURVEYOR.
 - ALL NEW WATER AND SEWER MAINS, LATERALS, AND APPURTENANCES SHALL BE TESTED AND/OR DISINFECTED IN ACCORDANCE WITH FAYETTEVILLE PWC STANDARDS PRIOR TO PLACING INTO SERVICE.
 - CONTRACTOR SHALL COORDINATE TESTING AND INSPECTION WITH THE FAYETTEVILLE PWC PROJECT COORDINATOR.
 - ALL DUCTILE IRON PIPE IN SANITARY SEWER SERVICE SHALL HAVE AN INTERIOR LINING OF PROTECTO 401 OR APPROVED EQUAL.
 - ALL NEW MANHOLES ARE TO BE VACUUM-TESTED IN ACCORDANCE WITH FAYETTEVILLE PWC STANDARDS.
 - CONTRACTOR SHALL ABANDON ("KILL-OUT") ANY EXISTING WATER SERVICES THAT WILL NOT BE UTILIZED BY CUTTING THE SERVICE AT THE MAIN, PLUGGING THE CORPORATION, AND TURNING OFF THE CORPORATION. AT THE METER BOX, THE ABANDONED SERVICE IS TO BE CUT OR CRIMPED, AND BURIED A MINIMUM OF 3 FEET BELOW GRADE.
 - CONTRACTOR SHALL ABANDON ("KILL-OUT") ANY EXISTING SEWER SERVICES THAT WILL NOT BE UTILIZED BY UNCOVERING THE EXISTING LATERAL AT THE MAIN, CUT AND PLUG AT BOTH ENDS, REMOVE THE EXISTING CLEANOUT AND COMBINATION, AND PLUG THE TAP OR TEE AT THE FOR LATERALS THAT CONNECT TO A MANHOLE AND ARE TO BE ABANDONED ("KILLED-OUT"). THE LATERAL SHALL BE REMOVED FROM THE MANHOLE AND THE REMAINING VOID IN THE MANHOLE SHALL BE FILLED WITH BLOCK AND MORTAR.
 - ALL EXISTING UTILITIES IMPACTED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISHED GRADE IN ACCORDANCE WITH PWC REQUIREMENTS.
 - CONTRACTOR TO REFER TO LEASE EXHIBITS AND WORK LETTER FOR SPECIFIC TENANT UTILITY DELIVERY REQUIREMENTS
 - CONCRETE COLLAR REQUIRED ON ALL CLEANOUTS

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SITE CIVIL AND CONSULTING ENGINEERING

PROGRAM MANAGEMENT

LANDSCAPE ARCHITECTURE

SUSTAINABLE DESIGN

PERMITTING SERVICES

TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	DRAWN BY
1	12/23/20	CITY COMMENTS	TAM
2	1/6/21	NC DOT COMMENTS	TAM
3	2/8/21	INFRASTRUCTURE COMMENTS	TAM
4	3/1/21	SITE PLAN REVISIONS	TAM

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PROJECT No.: NCC1915603

DRAWN BY: TAM

CHECKED BY: RCB

DATE: 11/16/2020

CAD ID: UTP-0

CONSTRUCTION DOCUMENTS

FOR

COLUMBIA DEVELOPMENT

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ENGINEER

BRAND B. MILLER

3/1/2021

SHEET TITLE:

UTILITY PLAN

SHEET NUMBER:

C-501

REVISION 4 - 3/1/21

Mar 02, 2021
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