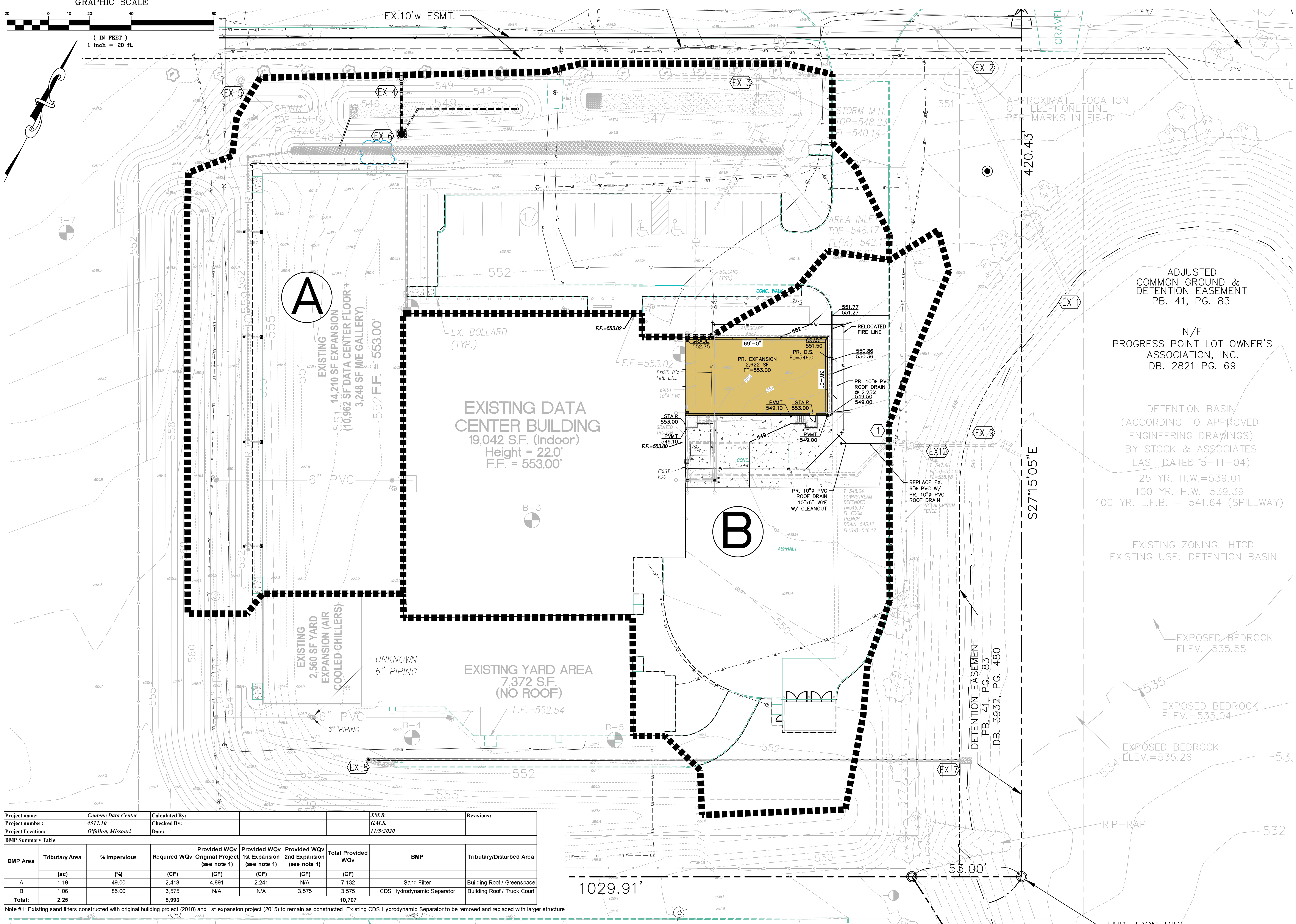


GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.



A

B

EXISTING DATA CENTER BUILDING
19,042 S.F. (Indoor)
Height = 22.0'
F.F. = 553.00'

EXISTING 14,210 SF EXPANSION
(10,962 SF DATA CENTER FLOOR +
3,248 SF W/E GALLERY)
F.F. = 553.00'

EXISTING YARD AREA
7,372 S.F. (NO ROOF)
F.F. = 552.54

EXISTING 2,560 SF YARD EXPANSION
(AIR COOLED-CHILLERS)

ADJUSTED COMMON GROUND & DETENTION EASEMENT
PB. 41, PG. 83

N/F
PROGRESS POINT LOT OWNER'S ASSOCIATION, INC.
DB. 2821 PG. 69

DETENTION BASIN
(ACCORDING TO APPROVED ENGINEERING DRAWINGS)
BY STOCK & ASSOCIATES
LAST DATED 5-11-04)
25 YR. H.W.=539.01
100 YR. H.W.=539.39
100 YR. L.F.B. = 541.64 (SPILLWAY)

EXISTING ZONING: HTCD
EXISTING USE: DETENTION BASIN

EXPOSED BEDROCK
ELEV.=535.55

EXPOSED BEDROCK
ELEV.=535.04

EXPOSED BEDROCK
ELEV.=535.26

RIP-RAP

END IRON PIPE

1029.91'

420.43'

S27°15'05"E

DETENTION EASEMENT
PB. 41, PG. 83
DB. 3932, PG. 480

Project name:	Centene Data Center	Calculated By:	J.M.B.	Revisions:
Project number:	4511.10	Checked By:	G.M.S.	
Project Location:	O'Fallon, Missouri	Date:	11/5/2020	

BMP Area	Tributary Area (ac)	% Impervious (%)	Required WQv (CF)	Provided WQv Original Project (see note 1) (CF)	Provided WQv 1st Expansion (see note 1) (CF)	Provided WQv 2nd Expansion (see note 1) (CF)	Total Provided WQv (CF)	BMP	Tributary/Disturbed Area
A	1.19	49.00	2,418	4,891	2,241	N/A	7,132	Sand Filter	Building Roof / Greenspace
B	1.06	85.00	3,575	N/A	N/A	3,575	3,575	CDS Hydrodynamic Separator	Building Roof / Truck Court
Total:	2.25		5,993				10,707		

Note #1: Existing sand filters constructed with original building project (2010) and 1st expansion project (2015) to remain as constructed. Existing CDS Hydrodynamic Separator to be removed and replaced with larger structure

PREPARED BY:

STOCK & ASSOCIATES
Consulting Engineers, Inc.

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e-mail: general@stockassoc.com
Web: www.stockassoc.com

SITE IMPROVEMENT PLANS FOR:

CENTENE DATA CENTER BUILDING EXPANSION

6430 WELDON SPRING ROAD
CITY OF O'FALLON, MISSOURI 63376



12/28/2020
GEORGE M. STOCK E-28116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

REVISIONS:	
1	2020-11-11 - 75% CD SET
2	2020-12-15 - 100% PERMIT/50 SET
3	2020-12-28 - REVISED PER CITY COMMENTS

DRAWN BY:	J.M.B.	CHECKED BY:	G.M.S.
DATE:	11/6/2020	JOB NO.:	209-4511.10
DUCKETT CREEK #:		BASE MAP #:	
S.C.C. H&T #:		H&T S.U.P. #:	
M.D.N.R. #:	MORA-		

SHEET TITLE:
PROPOSED DRAINAGE AREA MAP (BMP)

SHEET NO.: **C9.0**