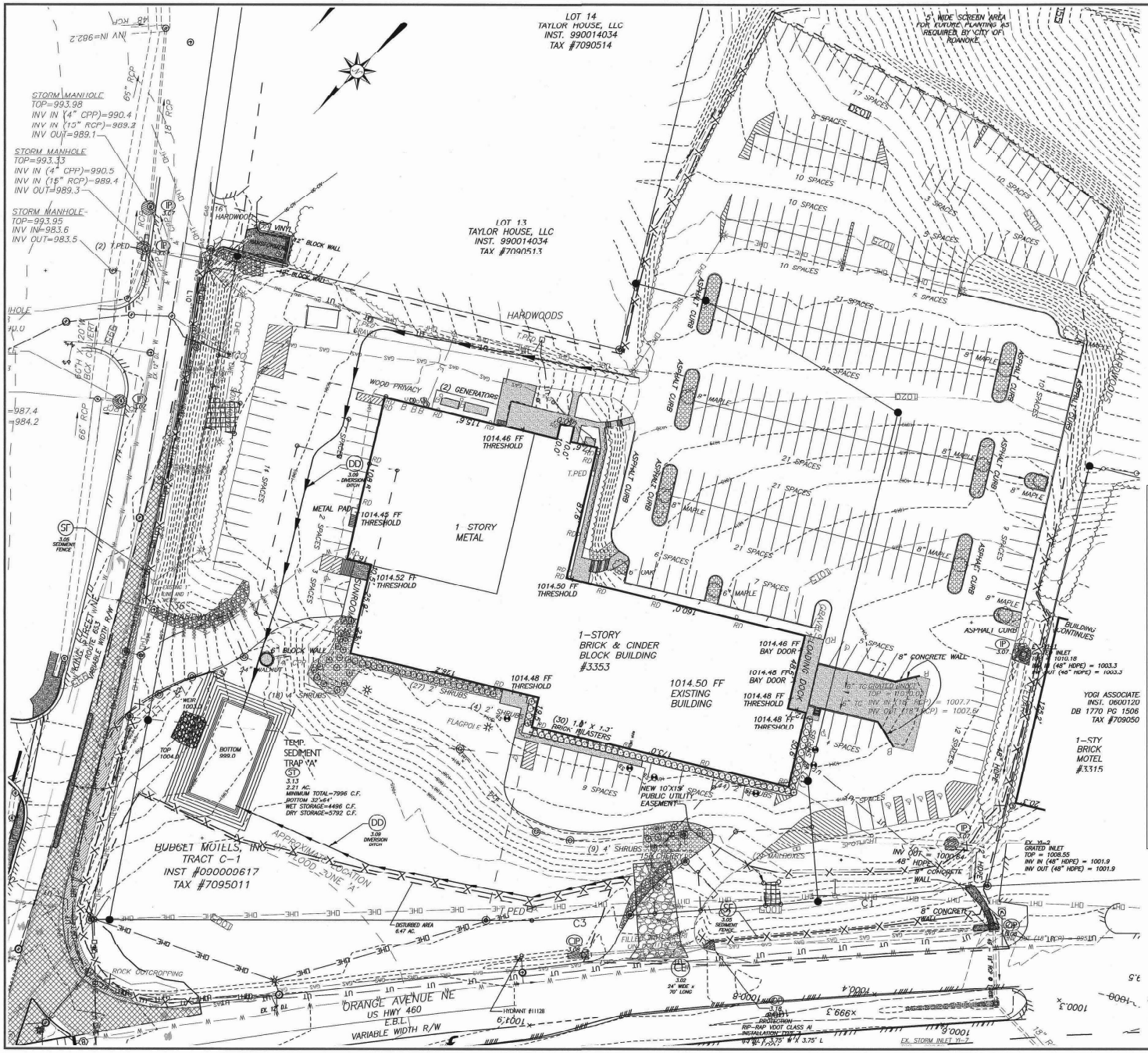

EROSION AND SEDIMENT CONTROL MEASURES LEGEND

3.01	SAF	SAFETY FENCE
3.02	CE	CONSTRUCTION ENTRANCE
3.31/3.32	TS PS	TEMPORARY AND PERMANENT SEEDING
3.05	SF	SEDIMENT FENCE
3.07	IP	STORM DRAIN INLET PROTECTION
3.08	CIP	CULVERT INLET PROTECTION
3.09	DD	TEMPORARY DIVERSION DIKE
3.13	ST	TEMPORARY SEDIMENT TRAP
3.36	SM	SOIL STABILIZATION BLANKETS
3.19	RR	RIP-RAP
3.39	DC	DUST CONTROL
3.35	MU	MULCHING
3.18	OP	OUTLET PROTECTION
		LIMITS OF DISTURBANCE

Phase 1 Sequence of Construction:

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE AND PROVIDE STREET CLEANING DAILY AS REQUIRED.
2. INSTALL SILT FENCE AS SHOWN ON THIS PLAN.
3. INSTALL INLET PROTECTION, CULVERT INLET PROTECTION, AND OUTLET PROTECTION.
4. INSTALL TEMPORARY SEDIMENT TRAPS "A" AND DIVERSION DITCHES.
5. INSTALL TEMPORARY SEEDING AND MULCH AS REQUIRED.
6. MAINTAIN ALL EROSION CONTROL MEASURES.

GBS © Professionals, PC
TEMPORARY SEDIMENT TRAP CALCULATIONS

Designer:	Ryan Gatewood, PE	Date:	2/18/2021	Project Number:	52-ROA20
Project Title:	SHEETZ, INC. - ROANOKE, VA - ORANGE AVE.				

Comp. Sediment Trap A

Drainage Area:	2.21 acres
Required Volume:	7996 ft^3
Overflow Weir Length:	18 ft
Wet Storage:	4496 ft^3 @ 1001 ft
Dry Storage:	5792 ft^3 @ 1003 ft

Comp. Sediment Trap B

Drainage Area:	1.67 acres
Required Volume:	5682 ft^3
Overflow Weir Length:	12 ft
Wet Storage:	3264 ft^3 @ 998 ft
Dry Storage:	4512 ft^3 @ 1000 ft

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LE&D PROFESSIONALS, P.C.
RIVER RUN EXECUTIVE OFFICES
SUITE-B
110 EXCHANGE STREET
DANVILLE, VA. 24541

N.C. LICENSE: # C-2577
V.A. LICENSE: # 0404-001401

PHONE NO. (434) 792-3680
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www.landeng.com

PROPOSED SHEETZ STORE
SHEETZ INC.
ORANGE AVENUE, ROANOKE VIRGINIA
E & S PHASE 1

COMMONWEALTH OF VIRGINIA
RYAN LEE GATEWOOD
Lic. No. 055108
11/11/21
PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	4-9-21	ROANOKE CITY COMMENTS	W.K.W.
2	5-7-21	ROANOKE CITY COMMENTS	W.K.W.
3	6-9-21	ROANOKE CITY COMMENTS	W.K.W.
4	10-29-21	ROANOKE CITY COMMENTS	W.K.W.
5	11-11-21	ROANOKE CITY COMMENTS	W.K.W.

City of Roanoke
Planning, Building, & Development
COMPREHENSIVE DEVELOPMENT PLAN
APPROVED
by Aaron Cypher 11/18/2021

Sheet No. 12 of 32
Date: FEBRUARY 19, 2021
Scale: 1" = 30'
Project No.
W:\52-ROA20\dwg\dwg\52-ROA20-PLAN-1-BFU-5