

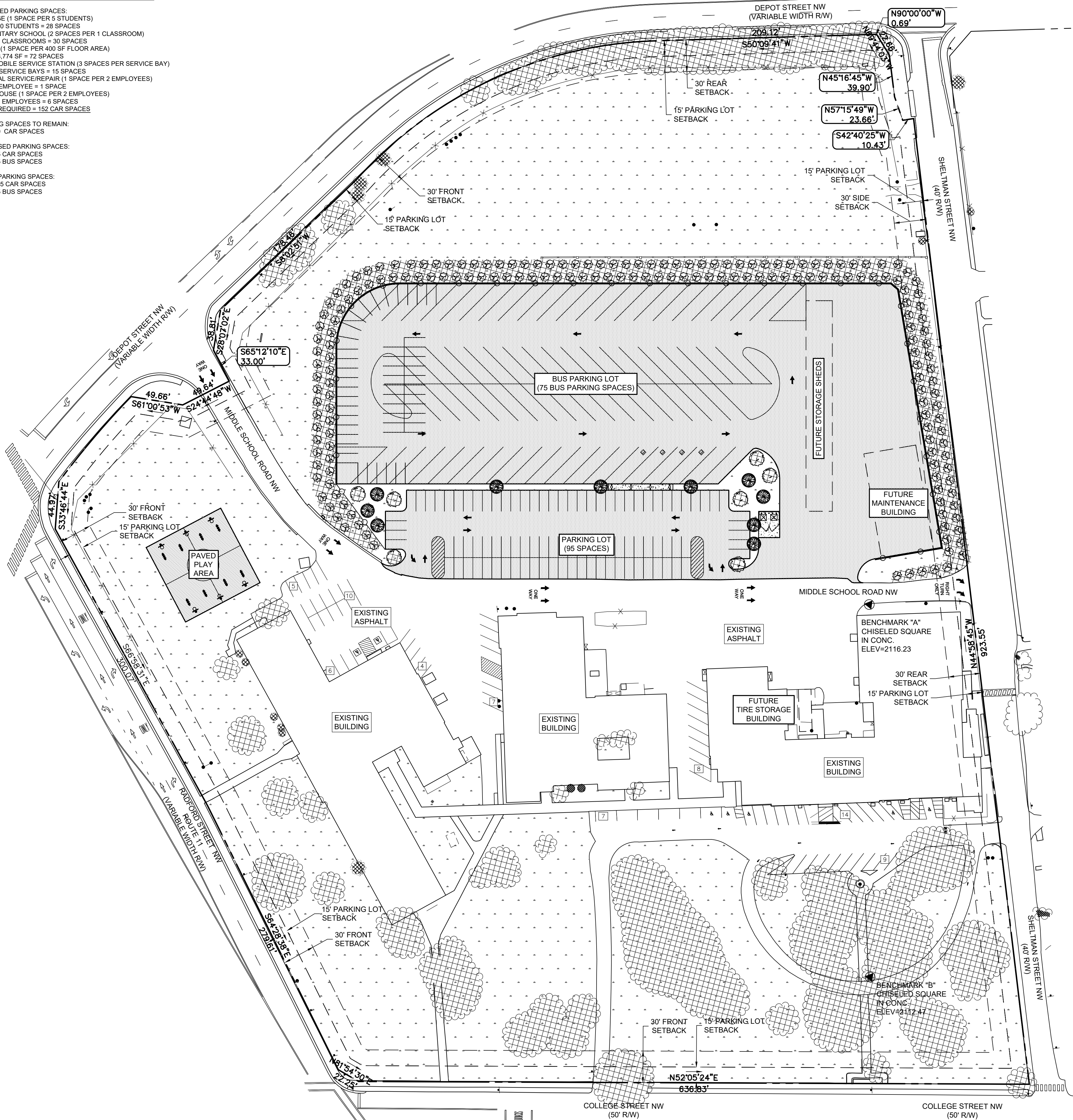
PARKING CALCULATIONS

REQUIRED PARKING SPACES:
COLLEGE (1 SPACE PER 5 STUDENTS)
140 STUDENTS = 28 SPACES
ELEMENTARY SCHOOL (2 SPACES PER 1 CLASSROOM)
15 CLASSROOMS = 30 SPACES
OFFICE (1 SPACE PER 400 SF FLOOR AREA)
28,774 SF = 72 SPACES
AUTOMOBILE SERVICE STATION (3 SPACES PER SERVICE BAY)
5 SERVICE BAYS = 15 SPACES
GENERAL SERVICE/REPAIR (1 SPACE PER 2 EMPLOYEES)
1 EMPLOYEE = 1 SPACE
WAREHOUSE (1 SPACE PER 2 EMPLOYEES)
11 EMPLOYEES = 6 SPACES
TOTAL REQUIRED = 152 CAR SPACES

PARKING SPACES TO REMAIN:
70 CAR SPACES

PROPOSED PARKING SPACES:
95 CAR SPACES
75 BUS SPACES

TOTAL PARKING SPACES:
165 CAR SPACES
75 BUS SPACES



FULL BUILDOUT PLAN IS SHOWN FOR REFERENCE ONLY

LEGEND			
EXISTING	DEMO	NEW	DESCRIPTION
---	---	---	CONTOURS
---	---	---	SPOT ELEVATIONS
---	---	---	CONCRETE CURB
---	---	---	CONCRETE CURB & GUTTER
---	---	---	CONCRETE PAD/WALK
---	---	---	PAVEMENT
---	---	---	GRAVEL
---	---	---	BUILDING
---	---	---	SITE FEATURES
---	---	---	FENCING
---	---	---	PROPERTY LINE
---	---	---	CENTERLINE OR BASELINE
---	---	---	BENCHMARK
---	---	---	STORM SEWER LINE
---	---	---	CURB INLET
---	---	---	DROP INLET
---	---	---	END SECTION / END WALL
---	---	---	MANHOLE
---	---	---	ELECTRIC - OVERHEAD
---	---	---	ELECTRIC - UNDERGROUND
---	---	---	TELEPHONE - UNDERGROUND
---	---	---	FIBER OPTIC - UNDERGROUND
---	---	---	GAS LINE
---	---	---	GAS METER
---	---	---	SANITARY SEWER
---	---	---	CLEANOUT
---	---	---	WATER LINE
---	---	---	GATE VALVE
---	---	---	WATER METER
---	---	---	FIRE HYDRANT
---	---	---	HANDICAP PARKING
---	---	---	TREE LINE
---	---	---	SIGNS

GREEN SPACE CALCULATIONS AND LEGEND

TOTAL AREA:
15.80 AC.
IMPERVIOUS SURFACE AREA:
49% OF TOTAL (7.73 AC. = 336,585 S.F.)
GREENSPACE REQUIRED:
20% OF TOTAL (3.16 AC. = 137,650 S.F.)
GREENSPACE PROVIDED:
51% OF TOTAL (8.07 AC. = 351,663 S.F.)
LANDSCAPING (TREES) REQUIRED:
10% OF TOTAL (1.58 AC. = 68,825 S.F.)
LANDSCAPING (TREES) PROVIDED:
12% OF TOTAL (1.82 AC. = 79,333 S.F.)

SYMBOL	NAME
---	GREENSPACE
---	LANDSCAPED AREA



50 25 0 50 100
SCALE: 1" = 50' FEET

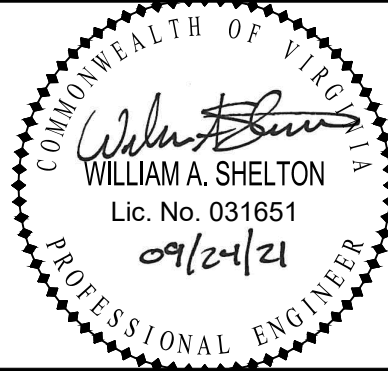
APPROVED: Engineering Date

APPROVED: Planning Date

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REVISIONS	DESCRIPTION	DATE
NO.		

MCPS - OPERATIONS CENTER
NEW PARKING LOT
MONTGOMERY COUNTY SCHOOL BOARD
CHRISTIANSBURG, VIRGINIA
CONSTRUCTION DOCUMENTS

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OVERALL
SITE PLAN
FULL BUILDOUT

DRAWN
BTL
LCK

CHECKED
WAS

DATE
SEP 24, 2021

COMM. NO.
2020-094

C101

