PARKING ANALYSIS – MOTOR VEHICLE AND BICYCLE

Parking Calculations also included on sheet G0.02. Sheets AD1.01, A1.01, And L1.4 included for reference at reduced scale.

Parking Calculations

OMC 18.38 - HIGH SCHOOL - REQ'D MOTOR VEHICLE SPACES

	EXISTING	DEMO	NEW	TOTAL
OFFICES (1 STALL EACH):	29		1	30
CLASSROOMS (1 STALL EACH):	73		2	75
PORTABLES (1 STALL EACH)	5	1		4
DRIVING AGE STUDENTS				
(1 STALL PER 4 STUDENTS) = 1,680* X 0.75 = 1,260				315
TOTAL REQUIRED:				424
TOTAL PROVIDED			IN BASE BID	425
			W/ ALTERNATES	458
TOTAL ALLOWED WITHOUT VARIANCE (+10%):				466 > 458 = OK

*1680 BASED ON OSD CAPITAL FACILITIES PLAN, CHS BUILDING CAPACITY AND PROJECTED ENROLLMENT. SAME STUDENT TOTAL USED IN 2005 BUILDING EXPANSION FOR PARKING CALCULATIONS. 2018 ACTUAL ENROLLMENT AT 1370 STUDENTS.

IBC T1106.1 - ACCESSIBLE / BARRIER FREE PARKING SPACES

VAN ACCESSIBLE STALLS REQUIRED PER IBC 1106.5: FOR EVERY (6) OR FRACTION OF (6) ACCESSIBLE PARKING SPACES, AT LEAST (1) SHALL BE A VAN ACCESSIBLE PARKING SPACE

TOTAL REQUIRED:	PER 401-500 PARKING SPA SPACES	9 (2 VAN ACCESSIBLE)
TOTAL PROVIDED:		10 (2 VAN ACCESSIBLE)

OMC 18.38 - HIGH SCHOOL - REQ'D BICYCLE SPACES

CLASSROOMS (1 SPACE PER FIVE (5)	79 / 5 =	16
STUDENTS (1 PER EACH FORTH 40)	1370 / 40 =	34
ASSEMBLY (1 PER 4500 SEATS / 4 MIN)	1600 seats	4
TOTAL REQUIRED: (SHORT-TERM AND LONG-TERM PARKING, EA)		54 (+/- 10%)

	EXISTING	DEMO	NEW	TOTAL
SHORT-TERM PARKING	31	31	54	54**
LONG-TERM PARKING	20	0	0	20**

** PROPOSED. NEW SHORT-TERM REQUIRED PARKING W/ CODE COMPLIANT RACKS AND SPACES. 20 SECURED, LONG-TERM PARKING SPACES ARE LOCATED WITHIN THE SCHOOL AND PROPOSED TO REMAIN. SEE LANDSCAPE FOR FURTHER INFORMATION.

AVAILABLE PARKING:

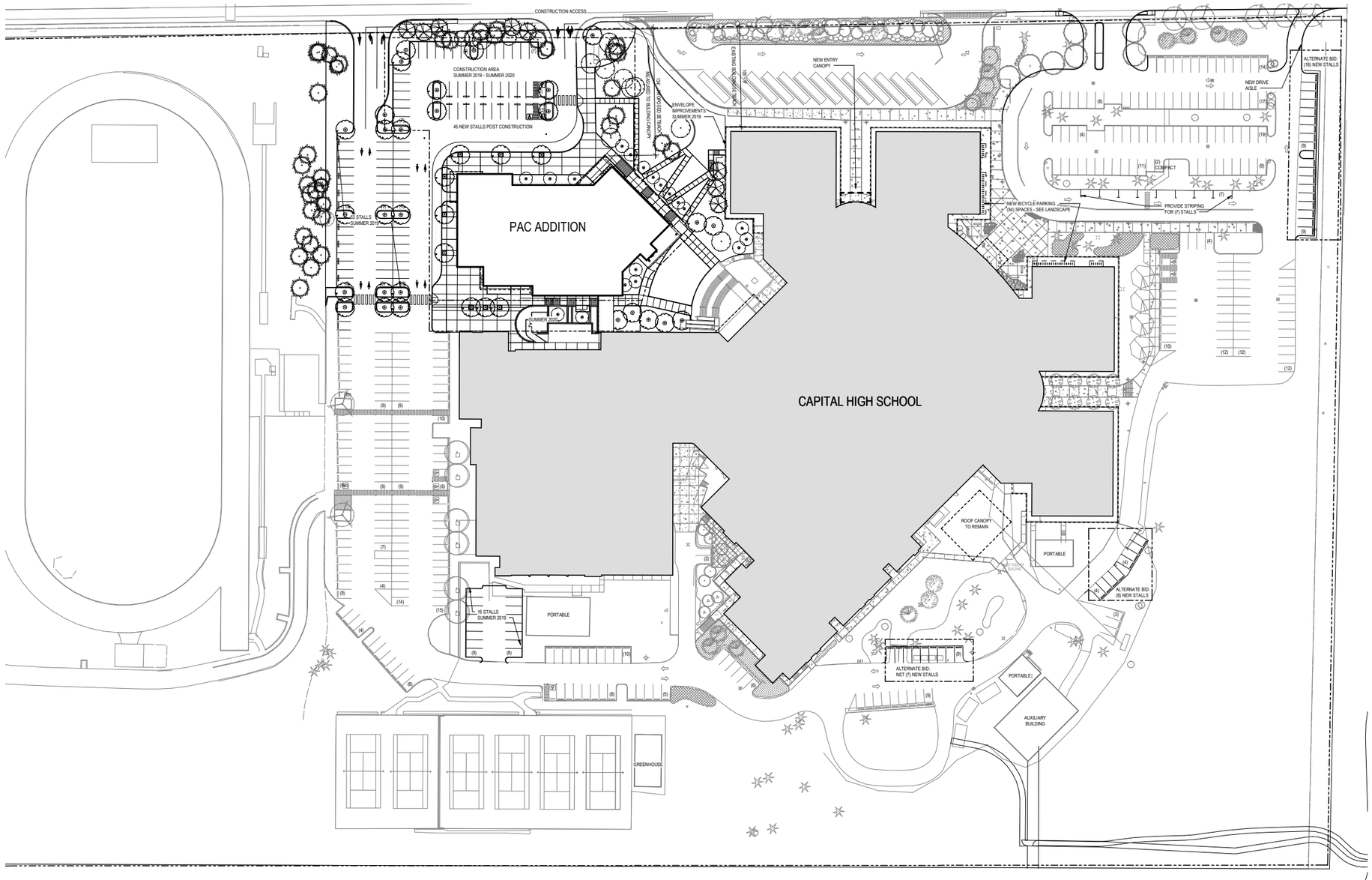
EXISTING TOTAL:	424 STALLS
BASE BID SUMMER 2019:	DEMOLISH 120 STALLS = 304 STALLS BUILD 76 STALLS = 380 STALLS
BASE BID SUMMER 2020:	BUILD 45 STALLS = 425 STALLS
ALTERNATE TBD:	BUILD 33 STALLS = 458 STALLS

SEQUENCE SUMMARY :

SUMMER 2019:	REMOVE 117 PARKING STALLS FOR PAC ADDITION AND CONSTRUCTION STAGING REMOVE 3 PARKING SPACES FOR NE DRIVE AISLE REMOVE PORTABLE START PAC ADDITION PROVIDE 76 (53 + 16 + 7) NEW PARKING STALLS AND NEW ACCESS DRIVES ENVELOPE IMPROVEMENTS
SUMMER 2019 - SUMMER 2020:	PAC ADDITION
SUMMER 2020:	PROVIDE 45 PARKING STALLS SITE WORK INTERIOR RENOVATIONS

GENERAL NOTES :

1. ARCHITECTURAL SITE PLAN IS PROVIDED FOR GENERAL REFERENCE ONLY.
2. SEE CIVIL DRAWINGS FOR HORIZONTAL CONTROL, ASPHALT & CONCRETE PAVING, VEHICLE STRIPING AND UTILITIES.
3. SEE LANDSCAPE DRAWINGS FOR PLANTING AND IRRIGATION INFORMATION.
4. SEE ELECTRICAL DRAWINGS FOR SITE LIGHTING AND SITE ELECTRICAL UTILITIES.
5. SEE LANDSCAPE FOR LOT COVERAGE CALCULATIONS.
6. VERTICAL DATUM: NAV 88. HORIZONTAL DATUM: NAV 83.
7. DIMENSIONS ARE PROVIDED FOR REFERENCE ONLY. SEE CIVIL FOR BUILDING WORKPOINTS



ARCHITECTURAL SITE PLAN

Graphic Scale: 1 inch = 40 feet

1" = 40'-0"

0 40' 80' 120' 160'

PROJECT NORTH

mcg ARC

architect_
MCGRANAHAN ARCHITECTS

civil engineer_
SCJ ALLIANCE

landscape design_
RWD LANDSCAPE ARCHITECTS

structural engineer_
PCS STRUCTURAL SOLUTIONS

mechanical engineer_
BCE ENGINEERS

electrical engineer_
BCE ENGINEERS

theater _
PLA DESIGN

NOT FOR CONSTRUCTION

project_
CHS ENVELOPE IMPROVEMENT & PAC ADDITION

client_
OLYMPIA SCHOOL DISTRICT NO. 111

location_
OLYMPIA, WA

Project No. 1718.000

ARCHITECTURAL SITE PLAN

KEY PLAN

issued_

SD COST ESTIMATE	08 JUN 18
SD	13 JUL 18
CUP	15 AUG 18

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checked_
ML

sheet_
A1.01

SEQUENCE SUMMARY :

SUMMER 2019:

REMOVE 117 PARKING STALLS FOR PAC ADDITION AND CONSTRUCTION STAGING
REMOVE 3 PARKING SPACES FOR NE DRIVE AISLE
REMOVE PORTABLE (BY OWNER)
REMOVE CLADDING FOR ENVELOPE IMPROVEMENTS
REMOVE ROOF SHELTER AND BIKE PARKING

GENERAL NOTES :

1. ARCHITECTURAL DEMO SITE PLAN IS PROVIDED FOR GENERAL REFERENCE ONLY.
2. SEE CIVIL DRAWINGS FOR HORIZONTAL CONTROL, ASPHALT & CONCRETE PAVING, VEHICLE STRIPING AND UTILITIES.
3. SEE LANDSCAPE DRAWINGS FOR PLANTING AND IRRIGATION INFORMATION.
4. SEE ELECTRICAL DRAWINGS FOR SITE LIGHTING AND SITE ELECTRICAL UTILITIES.
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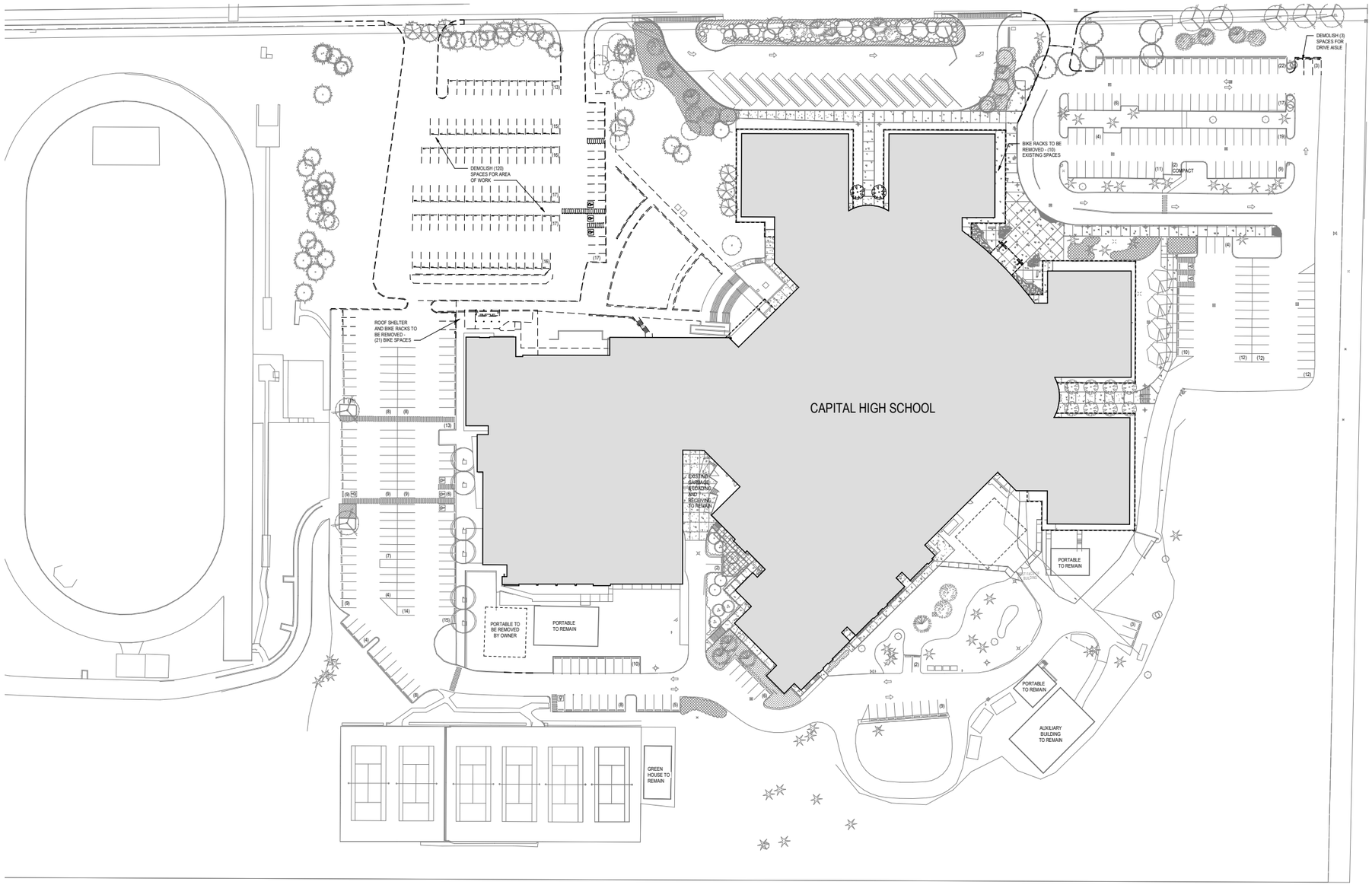

ARCHITECTURAL DEMO SITE PLAN

Graphic Scale: 1 inch = 40 feet — 1" = 40'-0"

0 40' 80' 120' 160'

PROJECT NORTH

mcg-ARC

architect_
MCGRANAHAN ARCHITECTS

civil engineer_
SCJ ALLIANCE

landscape design_
RWD LANDSCAPE ARCHITECTS

structural engineer_
PCS STRUCTURAL SOLUTIONS

mechanical engineer_
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electrical engineer_
BCE ENGINEERS

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PLA DESIGN

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location_
OLYMPIA, WA

Project No. 1718.000

ARCHITECTURAL DEMO SITE PLAN

KEY PLAN

issued_
CUP 15 AUG 18

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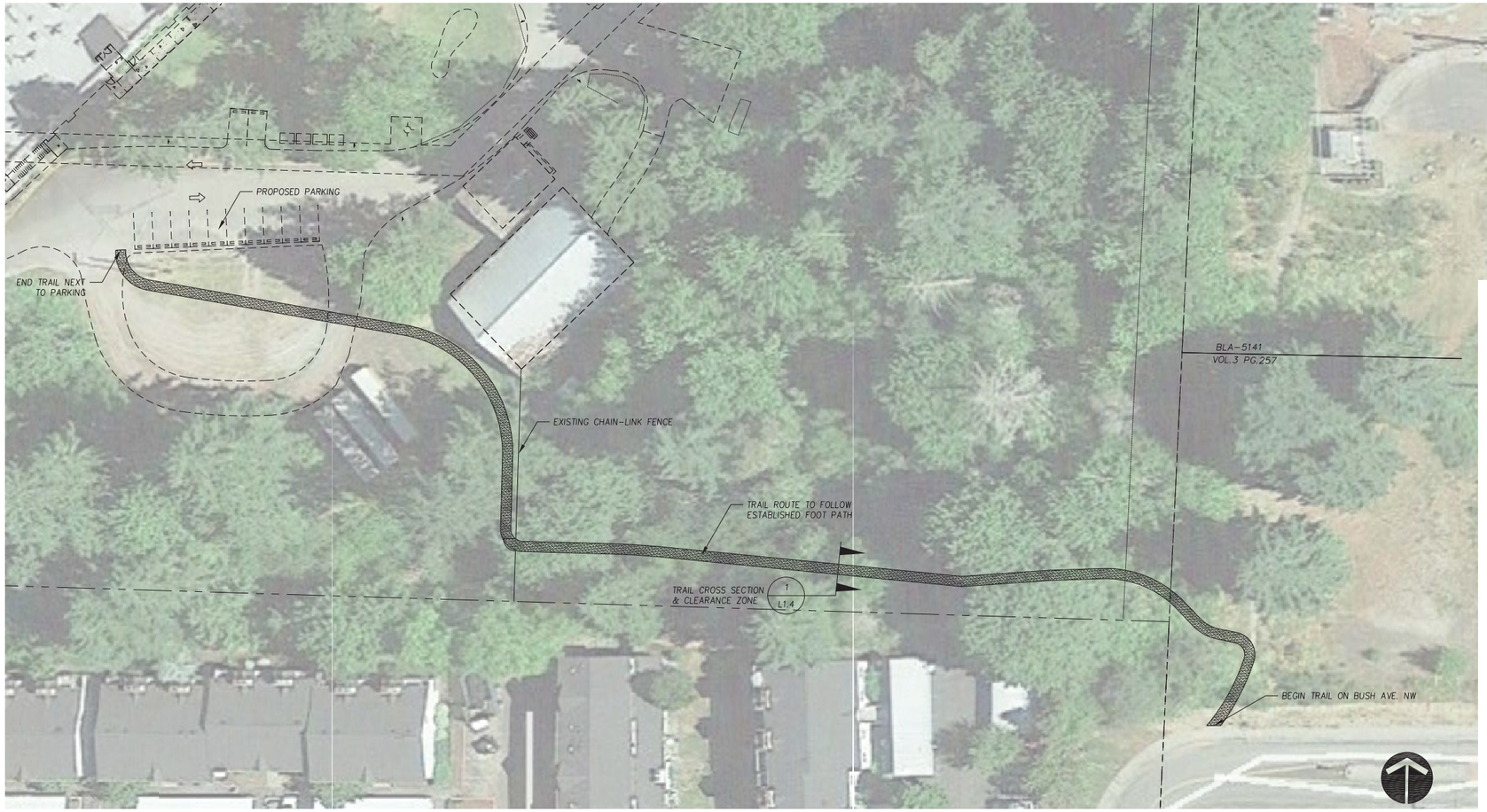
sheet_
AD1.01



Minimum Bicycle Parking Spaces

THE FOLLOWING IS A SUMMARY OF THE ESTIMATED MINIMUM NUMBER OF BICYCLE PARKING SPACES REQUIRED.

SHORT TERM BICYCLE SPACES NEEDED:

1 PER EVERY 5 CLASSROOMS
1 PER EVERY 40 STUDENTS
1 PER EVERY 4,500 ASSEMBLY SEATS (4 MIN.)

CAPITAL HIGH SCHOOL (AS OF SUMMER 2018):

79 CLASSROOMS
1,370 STUDENTS
1,600 ASSEMBLY SEATS

MINIMUM SHORT TERM BICYCLE SPACES REQUIRED:

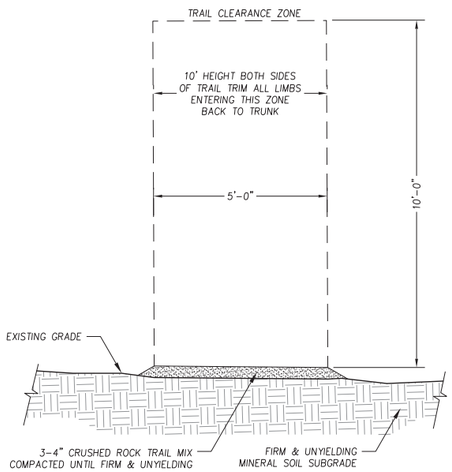
56 BICYCLE PARKING SPOTS

BICYCLE PARKING SPACES SHALL BE 2'X6' EACH.

TOTAL LENGTH OF REQUIRED BICYCLE PARKING SPACES:

112 LINEAR FEET

NOTE: LONG-TERM BICYCLE PARKING IS PROVIDED WITHIN CAPITAL HIGH SCHOOL.

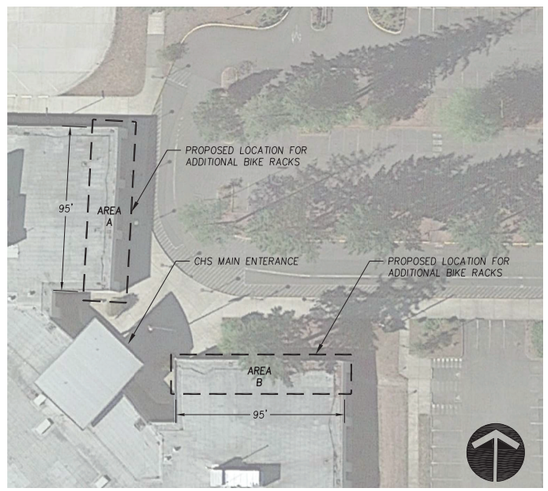


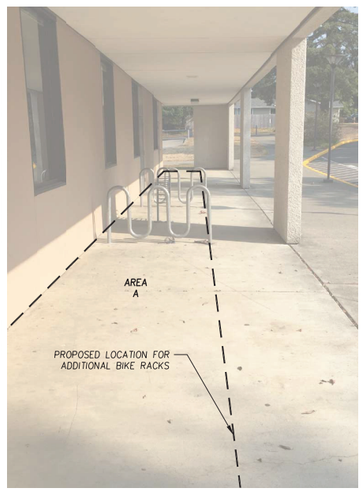
CRUSHED ROCK TRAIL MIX:
SHALL MEET WSDOTSS 9-03.9(3) CRUSHED SURFACING TOP COURSE AND SHALL MEET THE FOLLOWING GRADATION:

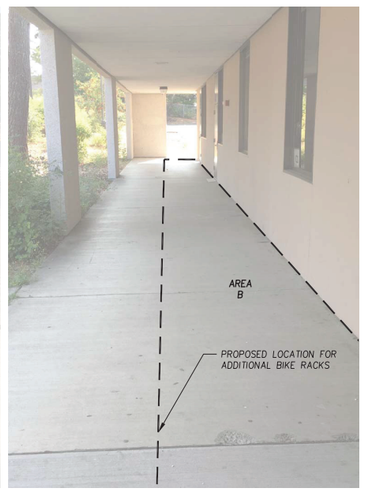
SIEVE	% PASSING
⅜"	100
¼"	90-100
#10	45-50
#40	15-25
#200	8-12

NOTE:
TRAIL MIX SHALL BE APPLIED ON TOP OF ESTABLISHED FOOT PATH. NO EXCAVATION OF TRAIL TO PREVENT TREE ROOT DAMAGE.

1 L1.4 **Trail Cross Section & Clearance Zone**
SCALE: ½"=1'-0"







2 L1.4 **Location for Additional Bike Racks**
SCALE: NTS

mcg-ARC
architect_
MCGRANAHAN ARCHITECTS
civil engineer_
SCJ ALLIANCE
landscape design_
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location_
OLYMPIA, WA

Project No. 1718.000

BIKE RACK & SE TRAIL PLAN

. Issued_
CUP 15 AUG 18

drawn_
DR
checked_
BD

sheet_
L1.4

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