

LAKE WASHINGTON HIGH SCHOOL

LAKE WASHINGTON SCHOOL DISTRICT
Kirkland, Washington

MASTER PLAN & P.U.D. UPDATE SET

15 FEBRUARY 2008

project_
LAKE WASHINGTON HIGH SCHOOL
client_
LAKE WASHINGTON SCHOOL DISTRICT
location_
KIRKLAND, WASHINGTON

Project No. 0624.000

COVER SHEET

Project Team

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FAX: 206.223.2056

Project Data

PROJECT DESCRIPTION
A NEW REPLACEMENT HIGH SCHOOL THAT INCLUDES CLASSROOMS, STUDENT ACTIVITY AREAS, OFFICES, GYMNASIUMS, AND SITE IMPROVEMENTS

PROJECT ADDRESS
LAKE WASHINGTON HIGH SCHOOL
12033 NE 80TH ST
KIRKLAND, WA 98033

COUNTY TAX PARCEL NUMBER
092505-9012

RECORD LEGAL DESCRIPTION
THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND A PORTION OF NORTHEAST QUARTER OF NORTHWEST QUARTER LYING WEST OF ANDREEN ACRE TRACTS ADDITION LESS COUNTY ROADS; TOGETHER WITH VACATED STREET

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

JURISDICTION REFERENCE
CITY OF KIRKLAND

ZONING DESIGNATION
-

BUILDING AREA
-

Parking Calculations

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G6.01 SHEET INDEX & PROJECT INFO

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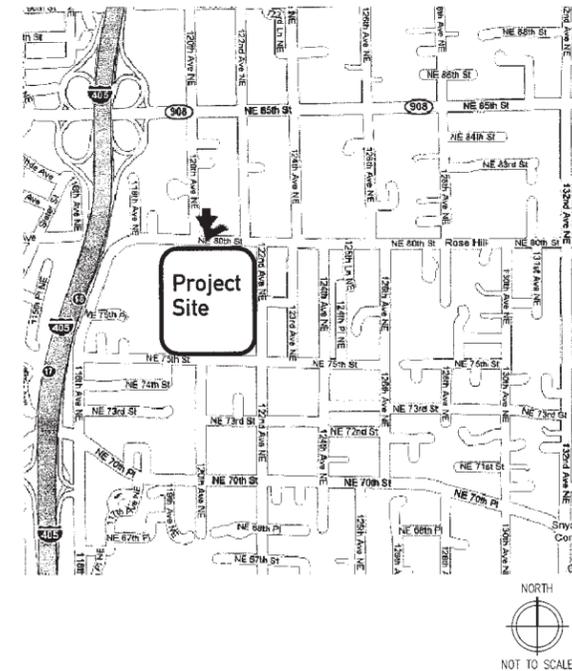
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Vicinity Map



architect_
McGRANAHAN ARCHITECTS
civil engineer_
CPL ENGINEERS
landscape architecture_
SITE WORKSHOP
structural engineer_
PCS STRUCTURAL SOLUTIONS
mechanical engineer_
BCE ENGINEERS
electrical engineer_
HARGIS ENGINEERS
food service_
CLEVENGER ASSOCIATES
theater design_
PLA DESIGNS

project_
LAKE WASHINGTON HIGH SCHOOL
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location_
KIRKLAND, WASHINGTON

Project No. 0624.000
SHEET INDEX & PROJECT INFO

revision_
issued_
MASTER PLAN & PUD UPDATE 15 FEB 08
drawn_
checked_

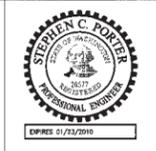



 Call before you Dig.
 8-1-1 or 1-800-424-5555
 UNDERGROUND SERVICE (USA)

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TELEPHONE RISER/WH	[Symbol]	[Symbol]	[Symbol]
WETLAND AREA	[Symbol]	[Symbol]	[Symbol]
BORING LOCATIONS	[Symbol]	[Symbol]	[Symbol]

architect
 MGRANAHAN ARCHITECTS
 civil engineer
 COUGHLIN PORTER LUNDEEN
 landscape design
 SITE WORKSHOP
 structural engineer
 PCS STRUCTURAL SOLUTIONS
 mechanical engineer
 RICE ENGINEERS
 electrical engineer
 HARGIS ENGINEERS
 food service
 CLEVELAND ASSOCIATES
 theater design
 PLA DESIGNS



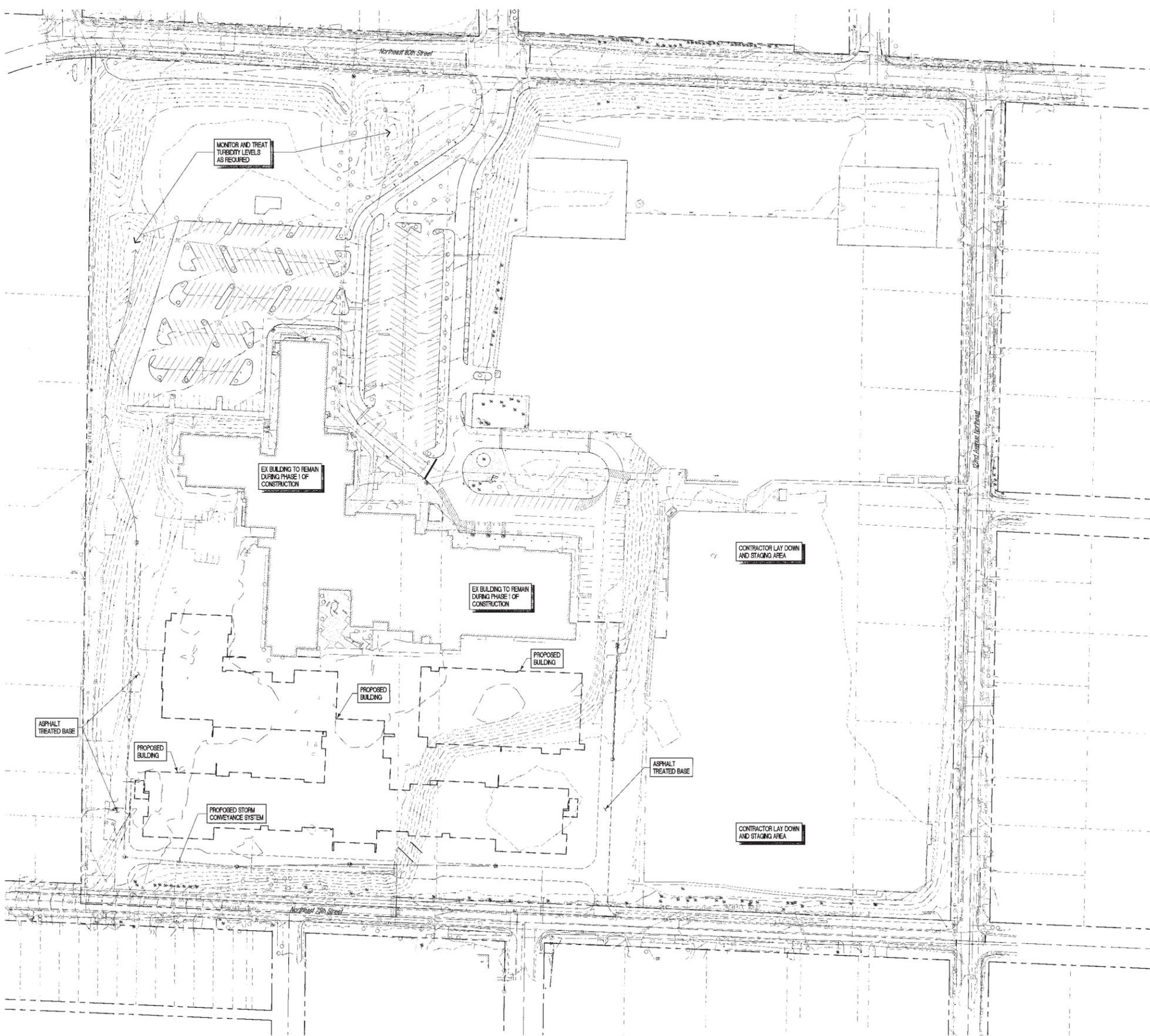
project
 LAKE WASHINGTON HIGH SCHOOL
 owner
 LAKE WASHINGTON SCHOOL DISTRICT
 location
 KIRKLAND, WASHINGTON

CPLA 021-0055-01
COMPOSITE DEMOLITION PLAN PHASE 1

revision
 issued
 MASTER PLAN & PUD UPDATE 15 FEB 08

drawn
 DJD
 checked
 JAU

sheet
C1.00



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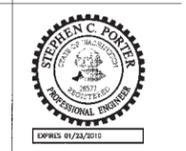
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GAS LINE	[Symbol]	[Symbol]	[Symbol]
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STREET LIGHT ASSEMBLY	[Symbol]	[Symbol]	[Symbol]
TELEPHONE RISER/MH	[Symbol]	[Symbol]	[Symbol]
WETLAND AREA	[Symbol]	[Symbol]	[Symbol]
BORING LOCATIONS	[Symbol]	[Symbol]	[Symbol]

MEP-ARC

architect. McGRANAHAN ARCHITECTS
 civil engineer. COUGHLIN PORTER LUNDEN
 landscape design. SITE WORKSHOP
 structural engineer. PCS STRUCTURAL SOLUTIONS
 mechanical engineer. BCE ENGINEERS
 electrical engineer. HARGIS ENGINEERS
 food service. CLEVELAND ASSOCIATES
 theater design. FLA DESIGNS



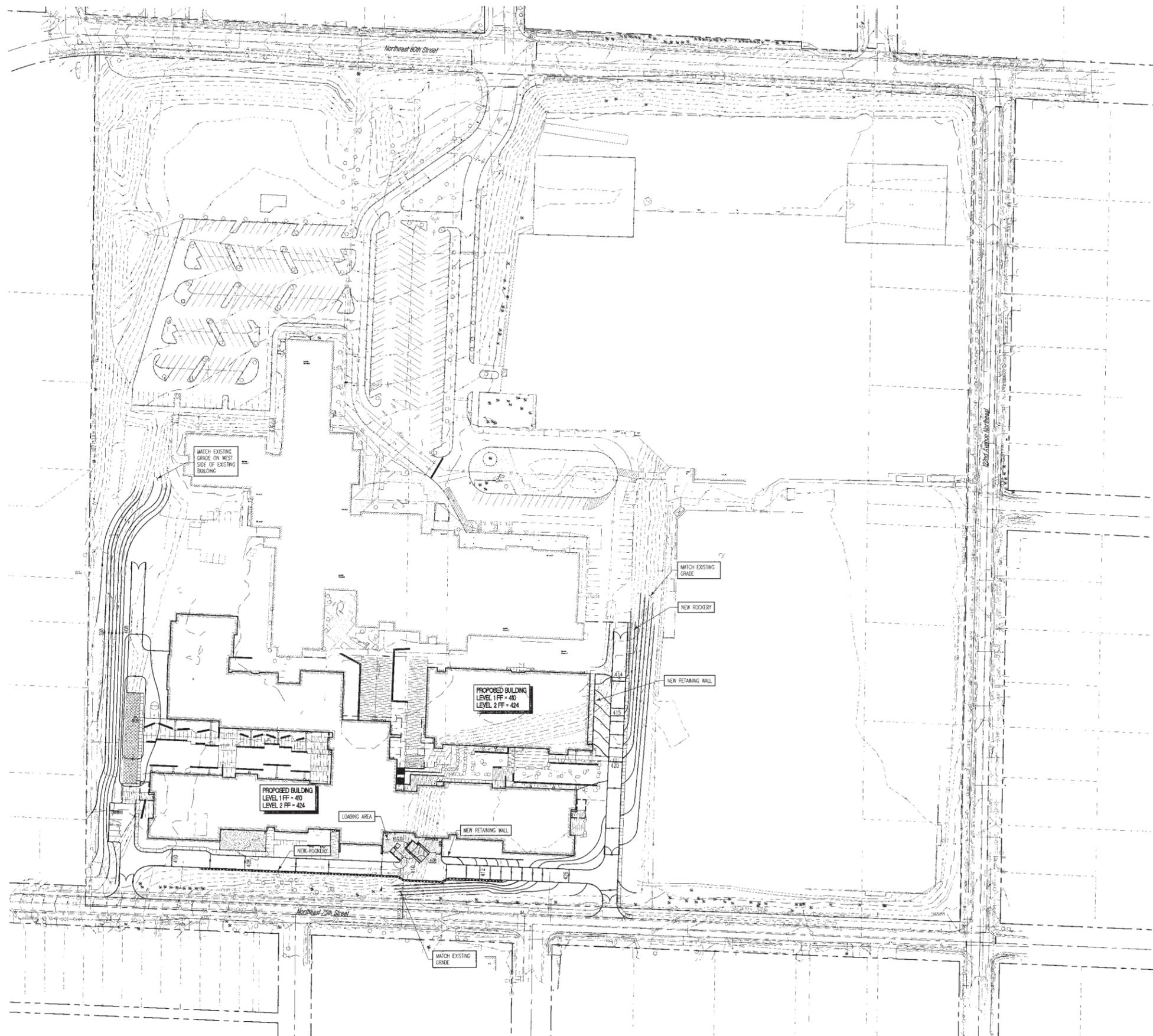
project. LAKE WASHINGTON HIGH SCHOOL
 owner. LAKE WASHINGTON SCHOOL DISTRICT
 location. KIRKLAND, WASHINGTON

CPL 007-005-01
**COMPOSITE
 TESC
 PLAN
 PHASE 1**

revision.
 issued. MASTER PLAN & PUD UPDATE 15 FEB 08

drawn. DJD
 checked. JAU

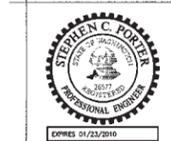
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LEGEND

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SILT FENCE	[Symbol]	[Symbol]	[Symbol]
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ROCKERY	[Symbol]	[Symbol]	[Symbol]
TREE W/PROTECTION	[Symbol]	[Symbol]	[Symbol]
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CONTOUR	[Symbol]	[Symbol]	[Symbol]
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GAS LINE	[Symbol]	[Symbol]	[Symbol]
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STREET LIGHT ASSEMBLY	[Symbol]	[Symbol]	[Symbol]
TELEPHONE RISER/MH	[Symbol]	[Symbol]	[Symbol]
WETLAND AREA	[Symbol]	[Symbol]	[Symbol]
BORING LOCATIONS	[Symbol]	[Symbol]	[Symbol]



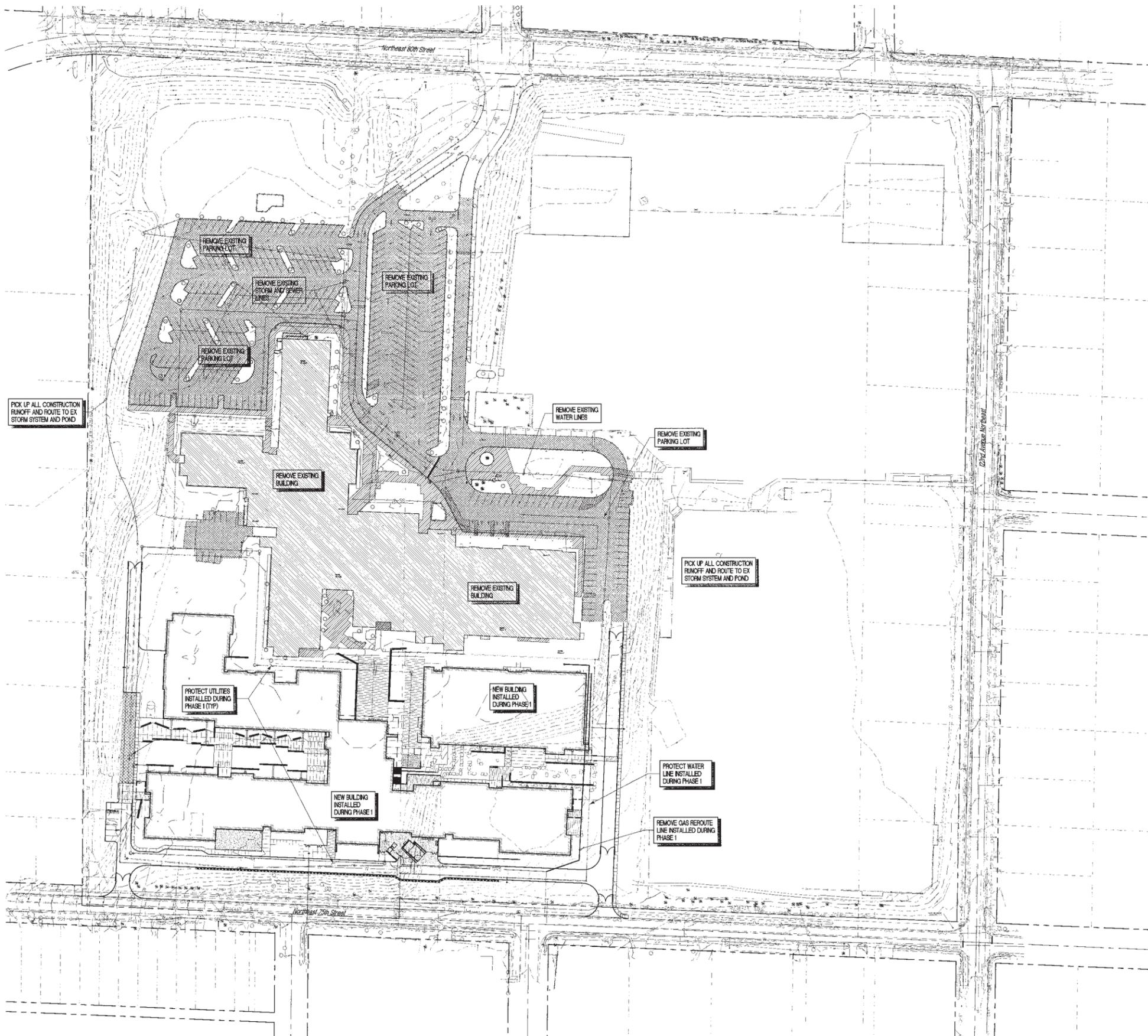
project_ LAKE WASHINGTON HIGH SCHOOL
 owner_ LAKE WASHINGTON SCHOOL DISTRICT
 location_ KIRKLAND, WASHINGTON

CPL# 007-005-01
COMPOSITE GRADING & PAVING PLAN PHASE 1

revision_
 issued_ MASTER PLAN & PUD UPDATE 15 FEB 08

drawn_ DJD
 checked_ JAJ

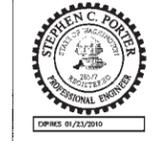
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 SCALE 1"=60'

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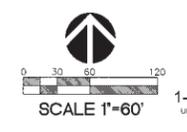
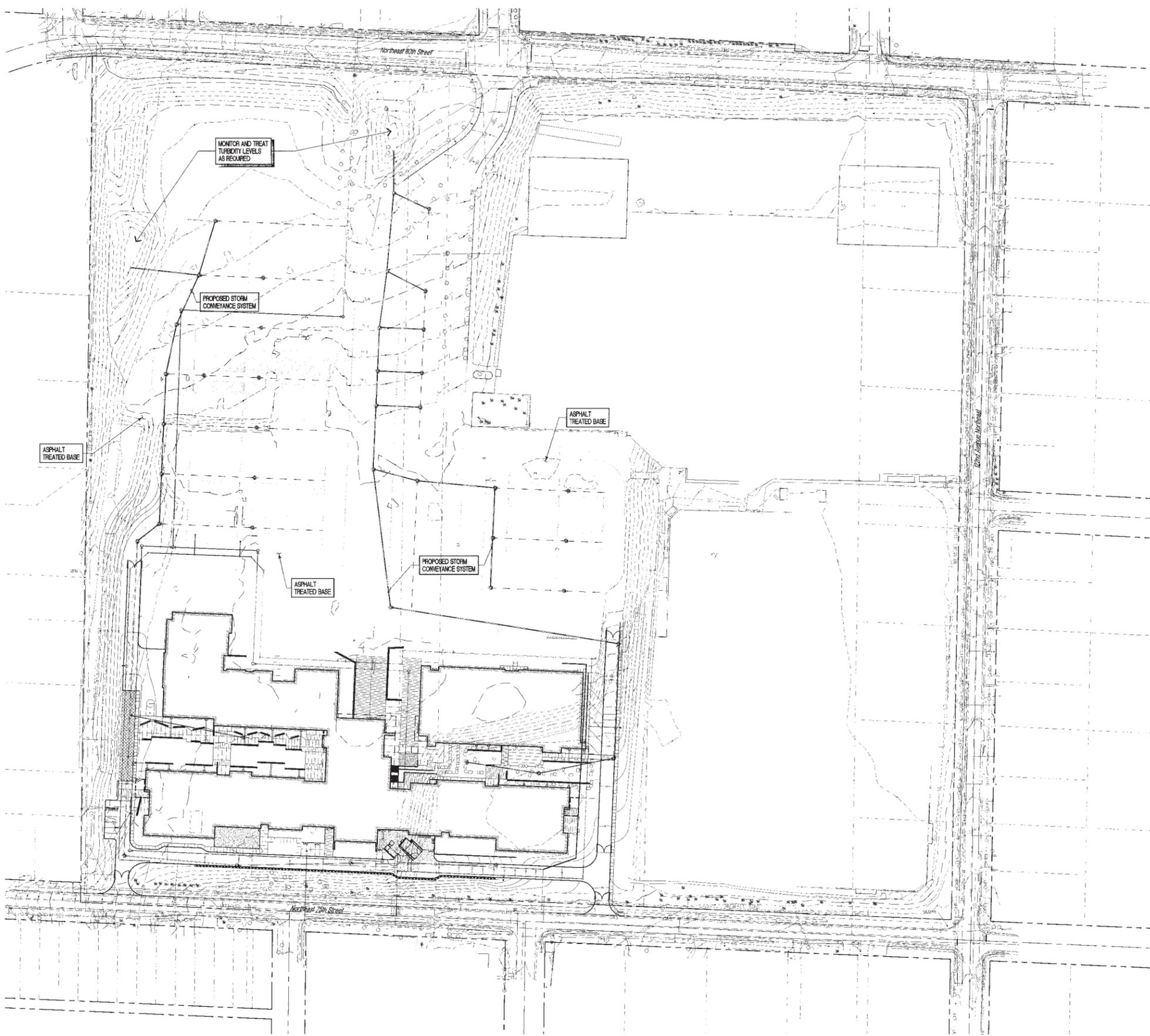
project_ LAKE WASHINGTON HIGH SCHOOL
 owner_ LAKE WASHINGTON SCHOOL DISTRICT
 location_ KIRKLAND, WASHINGTON

CP-4 009-0055-01
COMPOSITE DEMOLITION PLAN PHASE 2

revision_ _____
 issued_ MASTER PLAN & PUD UPDATE 15 FEB 08

drawn_ DJD
 checked_ JAU

sheet_ **C7.00**



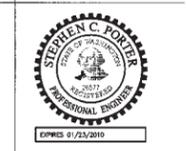
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UNDERGROUND SERVICE (USA)

LEGEND

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SILT FENCE	[Symbol]	[Symbol]	[Symbol]
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GAS LINE	[Symbol]	[Symbol]	[Symbol]
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GAS VALVE/METER	[Symbol]	[Symbol]	[Symbol]
STREET LIGHT ASSEMBLY	[Symbol]	[Symbol]	[Symbol]
TELEPHONE RISER/MH	[Symbol]	[Symbol]	[Symbol]
WETLAND AREA	[Symbol]	[Symbol]	[Symbol]
BORING LOCATIONS	[Symbol]	[Symbol]	[Symbol]

mcs:atc

- architect... MGRANAHAN ARCHITECTS
- civil engineer... COUGHLIN PORTER LUNDEEN
- landscape design... SITE WORKSHOP
- structural engineer... PCS STRUCTURAL SOLUTIONS
- mechanical engineer... BICE ENGINEERS
- electrical engineer... HARRIS ENGINEERS
- food service... CLEVELAND ASSOCIATES
- theater design... PLA DESIGNS



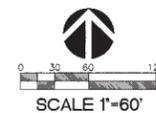
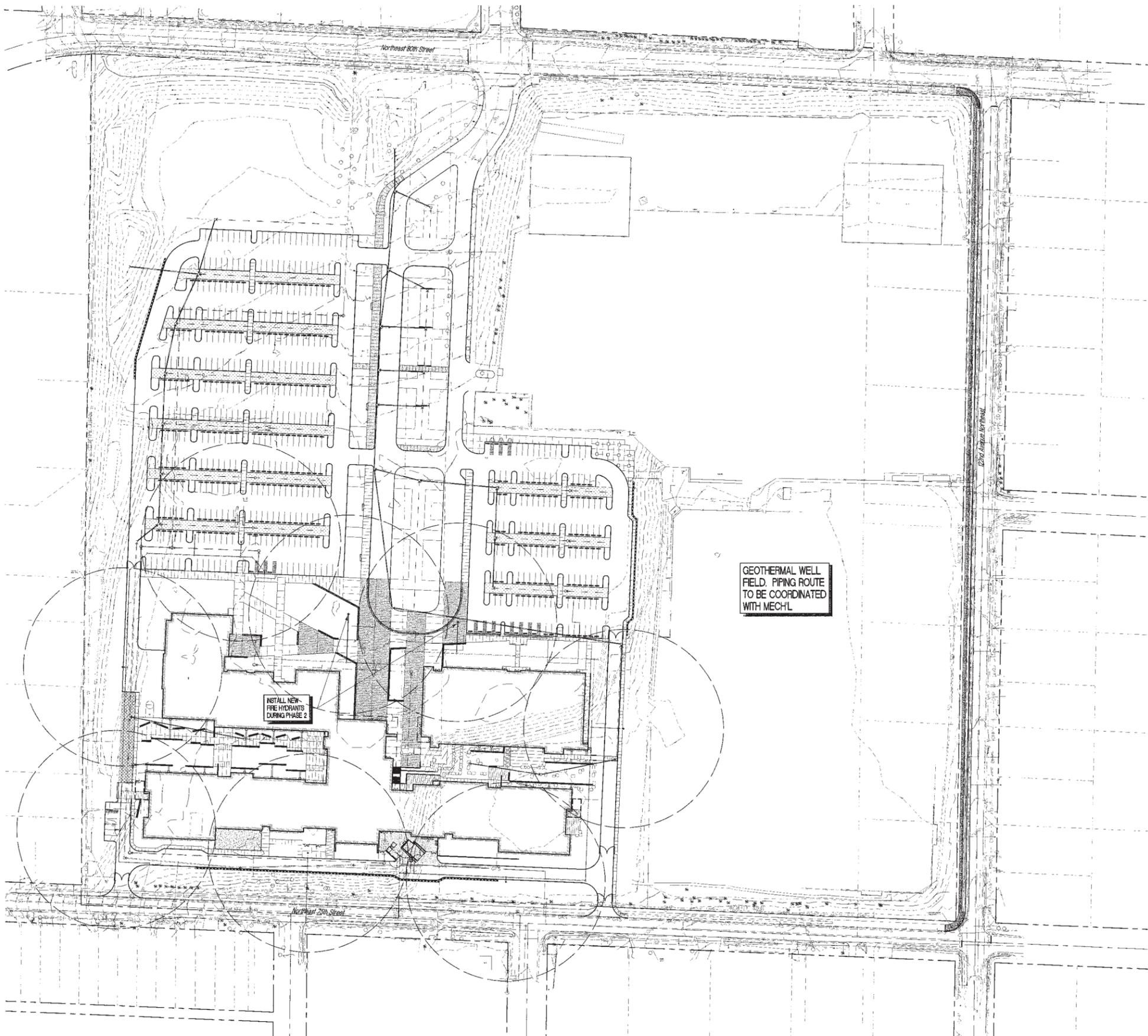
project... LAKE WASHINGTON HIGH SCHOOL
owner... LAKE WASHINGTON SCHOOL DISTRICT
location... KIRKLAND, WASHINGTON

CPA 007-005-01
COMPOSITE TESC PLAN PHASE 2

revision...
issued... MASTER PLAN & PUD UPDATE 15 FEB 08

drawn... DJD
checked... JAU

sheet... **C8.00**



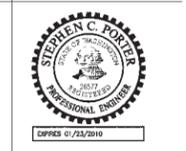
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before you
Dig.
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1-800-424-5555
UNDERGROUND SERVICE (USA)

LEGEND

	EXISTING	REMOVE	PROPOSED
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ASPHALT TREATED BASE (ATB)	[Symbol]	[Symbol]	[Symbol]
CONCRETE PAVING	[Symbol]	[Symbol]	[Symbol]
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ROCKERY	[Symbol]	[Symbol]	[Symbol]
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STORM CB/MH	[Symbol]	[Symbol]	[Symbol]
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TELEPHONE RISER/MH	[Symbol]	[Symbol]	[Symbol]
WETLAND AREA	[Symbol]	[Symbol]	[Symbol]
BORING LOCATIONS	[Symbol]	[Symbol]	[Symbol]

mcs-41c

- architect,
McERANAHAN ARCHITECTS
- civil engineer,
COUGHLIN PORTER LUNDEEN
- landscape design,
SITE WORKSHOP
- structural engineer,
PCS STRUCTURAL SOLUTIONS
- mechanical engineer,
BCE ENGINEERS
- electrical engineer,
HARGIS ENGINEERS
- food service,
CLEVENGER ASSOCIATES
- theater design,
PLA DESIGNS



project,
LAKE WASHINGTON HIGH SCHOOL

owner,
LAKE WASHINGTON SCHOOL DISTRICT

location,
KIRKLAND, WASHINGTON

CPLA 037-005-01

**UTILITY
PLAN
PHASE 2**

revision,

issued,
MASTER PLAN & PUD UPDATE 15 FEB 08

drawn,
DJD

checked,
JAJ

sheet,
C11.00

architect
McGRANAHAN ARCHITECTS
civil engineer
CPL ENGINEERS
landscape architecture
SITE WORKSHOP
structural engineer
PCS STRUCTURAL SOLUTIONS
mechanical engineer
BCE ENGINEERS
electrical engineer
HARGIS ENGINEERS
food service
CLEVERER ASSOCIATES
theater design
PLA DESIGNS

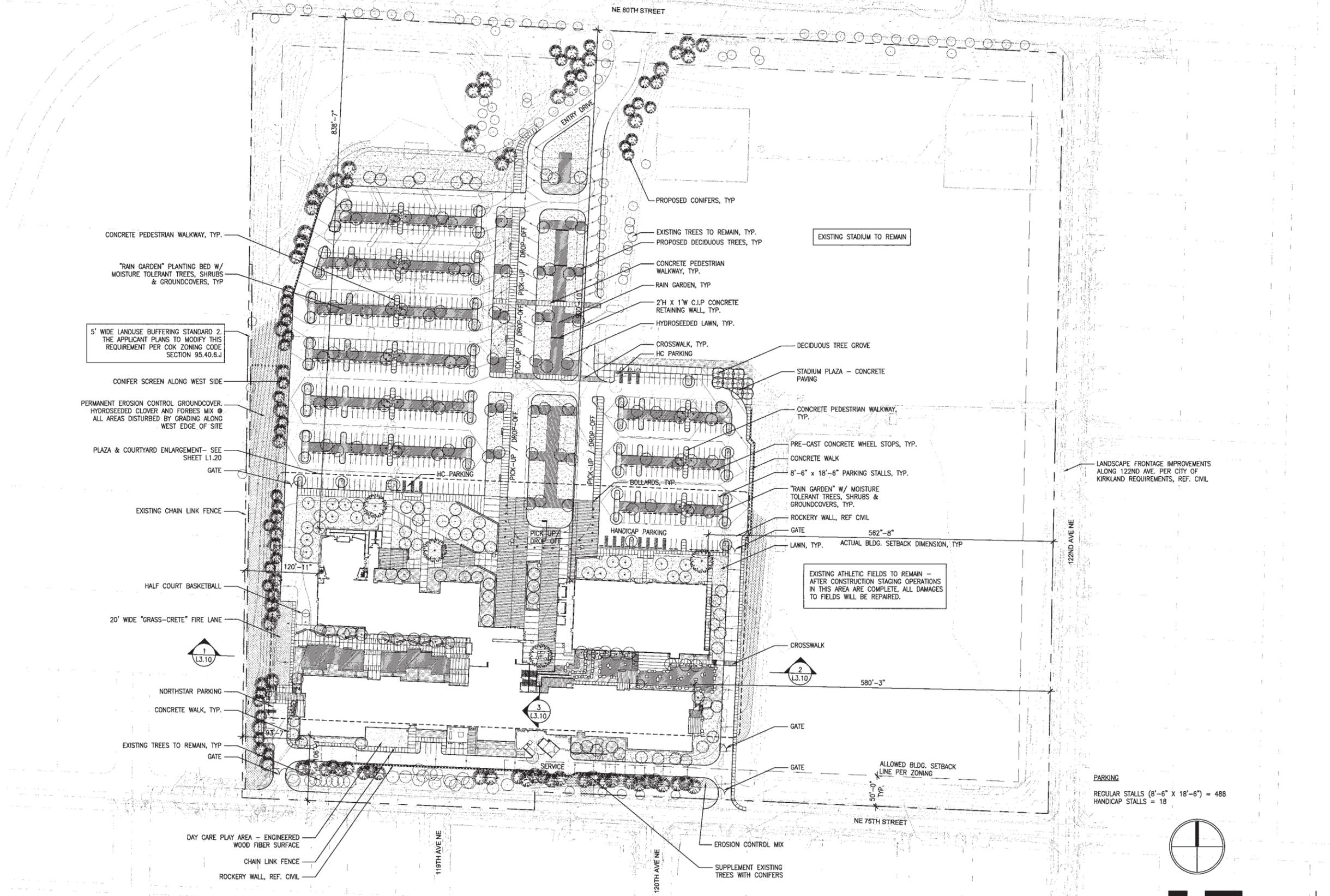
project
LAKE WASHINGTON HIGH SCHOOL
client
LAKE WASHINGTON SCHOOL DISTRICT
location
KIRKLAND, WASHINGTON

Project No. 0626.000
LANDSCAPE SITE PLAN

revision
issued
MASTER PLAN & PUD UPDATE 15 FEB 08

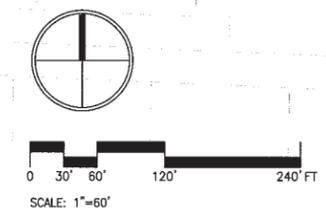
drawn
-BB AS
checked
-RS

sheet
L1.00



LANDSCAPE SITE PLAN

ORIGINAL SHEET 15 20' x 42'
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PARKING
REGULAR STALLS (8'-6" X 18'-6") = 488
HANDICAP STALLS = 18

architect...
 McGRANAHAN ARCHITECTS
 civil engineer...
 CPL ENGINEERS
 landscape architecture...
 SITE WORKSHOP
 structural engineer...
 PCS STRUCTURAL SOLUTIONS
 mechanical engineer...
 SCE ENGINEERS
 electrical engineer...
 HARGIS ENGINEERS
 food service...
 CLEVELAND ASSOCIATES
 theater design...
 PLADISONS

project...
 LAKE WASHINGTON HIGH SCHOOL
 client...
 LAKE WASHINGTON SCHOOL DISTRICT
 location...
 KIRKLAND, WASHINGTON

Project No. 9024.000

ENLARGED LAYOUT PLAN

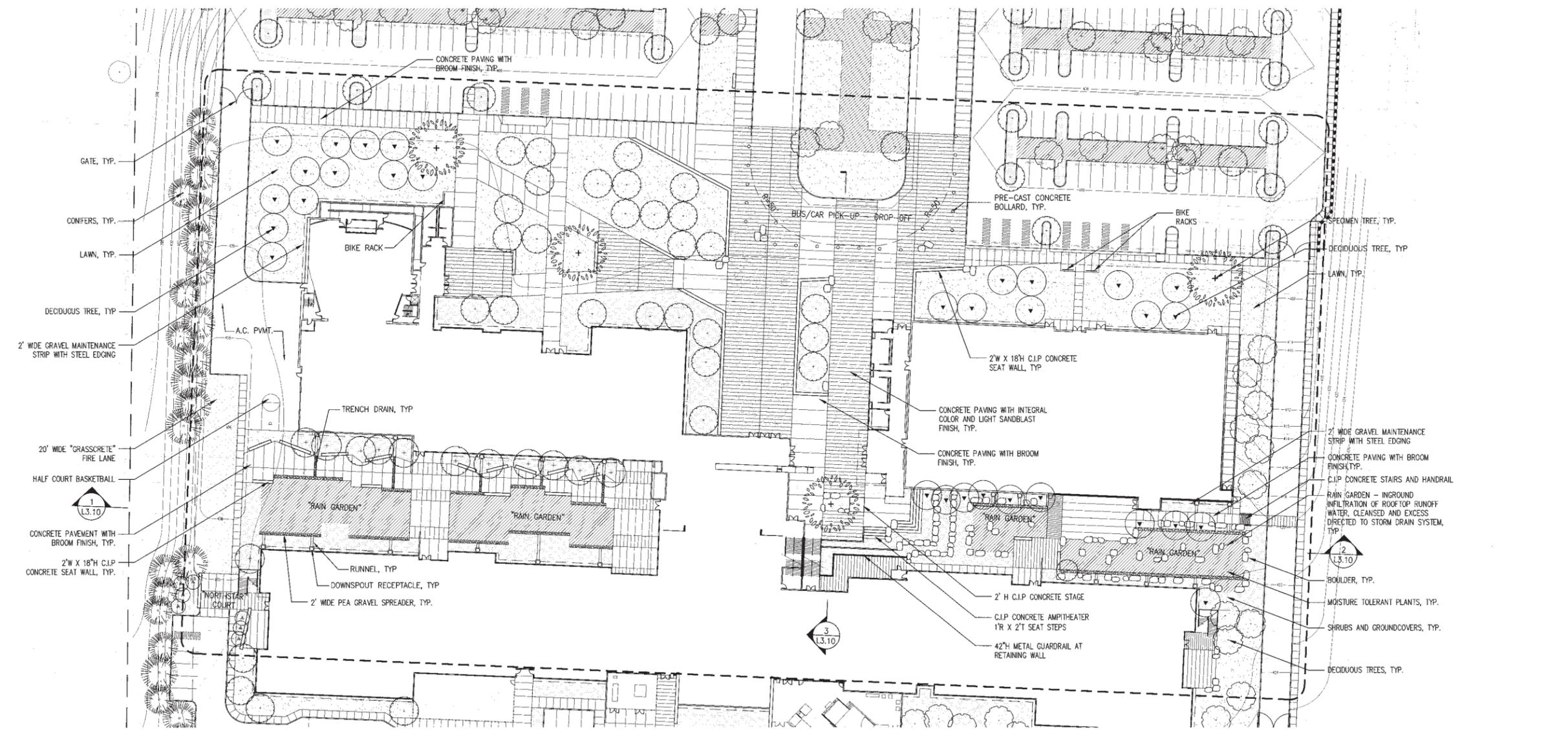
revision...

issued... MASTER PLAN & PUD UPDATE 15 FEB 08

drawn... BR AS

checked... RS

sheet... L1.20



PLAZA/ COURTYARD ENLARGEMENT

architect_ MGRANAHAN ARCHITECTS
 civil engineer_ CPL ENGINEERS
 landscape architecture_ SITE WORKSHOP
 structural engineer_ PCS STRUCTURAL SOLUTIONS
 mechanical engineer_ ECE ENGINEERS
 electrical engineer_ HARGIS ENGINEERS
 food service_ CLEVELAND ASSOCIATES
 theater design_ PLA DESIGNS

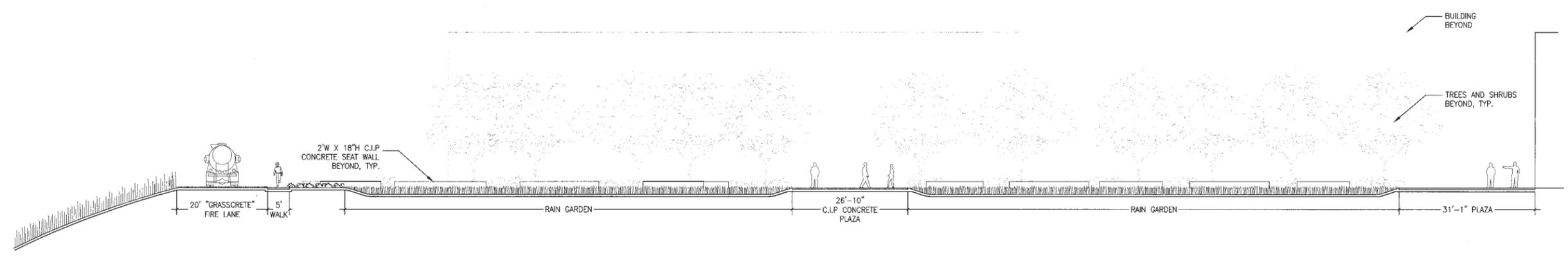
project_ LAKE WASHINGTON HIGH SCHOOL
 client_ LAKE WASHINGTON SCHOOL DISTRICT
 location_ KIRKLAND, WASHINGTON

Project No. 504.000
SITE SECTIONS

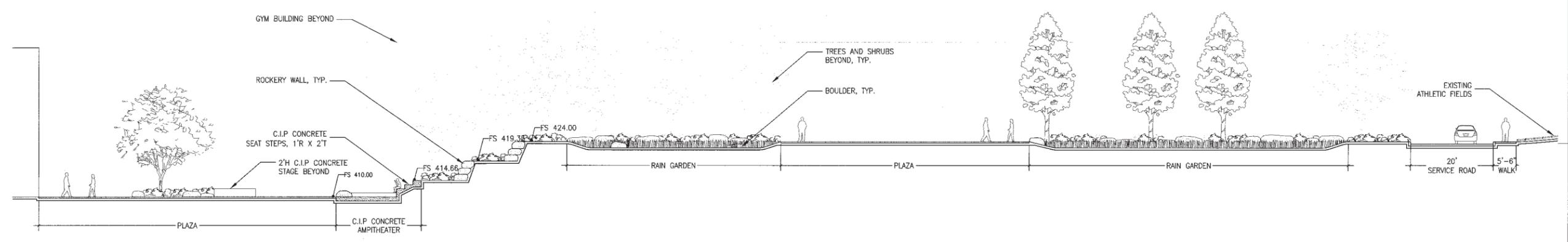
revision_ ---
 issued_ MASTER PLAN & PID UPDATE 15 FEB 08

drawn_ BB AS
 checked_ BS

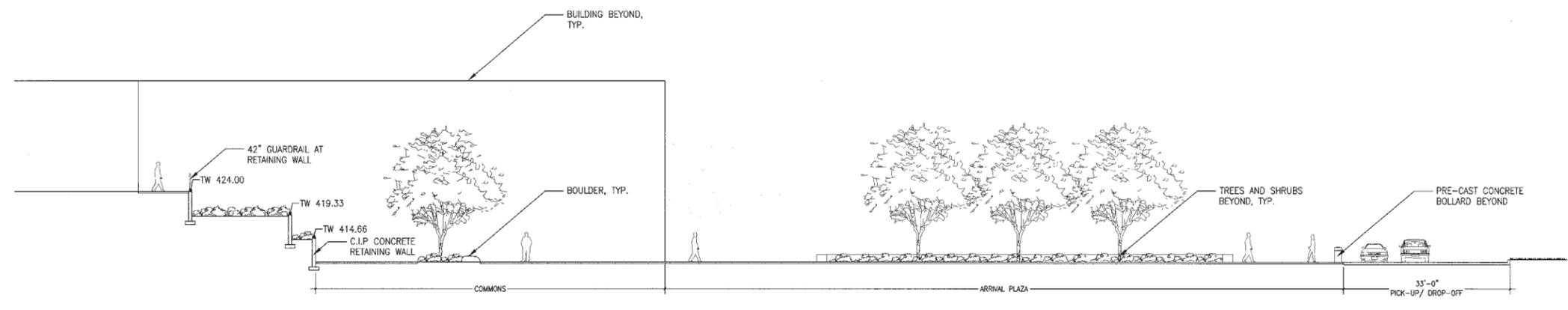
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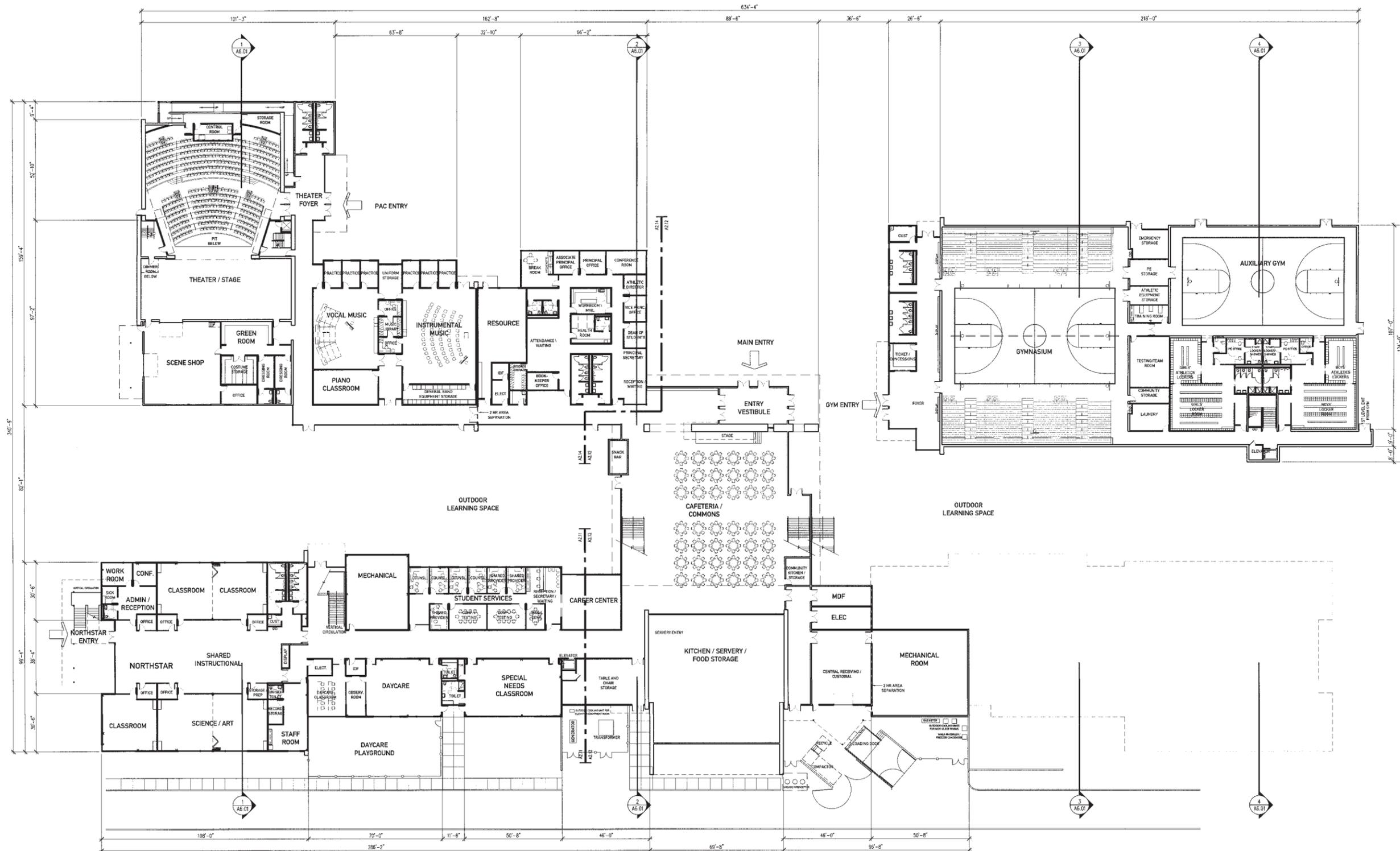
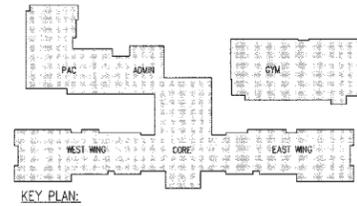
1 SECTION - WEST COURTYARD
 SCALE: 1" = 10'-0"



2 SECTION - EAST COURTYARD
 SCALE: 1" = 10'-0"



3 SECTION - PLAZA
 SCALE: 1" = 10'-0"



architect,
 MOGRANAN ARCHITECTS
 civil engineer,
 CPL ENGINEERS
 landscape architecture,
 SITE WORKSHOP
 structural engineer,
 PES STRUCTURAL SOLUTIONS
 mechanical engineer,
 BCE ENGINEERS
 electrical engineer,
 HARRIS ENGINEERS
 food service,
 CLEVELAND ASSOCIATES
 theater design,
 PLA DESIGNS

project,
 LAKE WASHINGTON HIGH SCHOOL
 client,
 LAKE WASHINGTON SCHOOL DISTRICT
 location,
 KIRKLAND, WASHINGTON

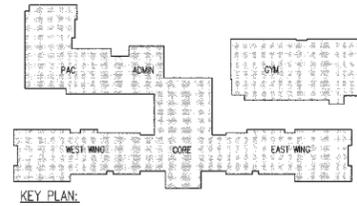
Project No. 9824.000
OVERALL FIRST FLOOR PLAN

revision,
 issued,
 MASTER PLAN & PUD UPDATE 15 FEB 08

drawn,
 AMH
 checked,

sheet,
A2.01

OVERALL FIRST FLOOR PLAN
 1"=20'-0"
 PROJECT NORTH



- architect_
- MAGRANAHAN ARCHITECTS
- civil engineer_
- OPL ENGINEERS
- landscape architecture_
- SITE WORKSHOP
- structural engineer_
- POS STRUCTURAL SOLUTIONS
- mechanical engineer_
- BCE ENGINEERS
- electrical engineer_
- HARRIS ENGINEERS
- food service_
- CLEVELER ASSOCIATES
- theater design_
- PLA DESIGNS

project_

LAKE WASHINGTON HIGH SCHOOL

client_

LAKE WASHINGTON SCHOOL DISTRICT

location_

KIRKLAND, WASHINGTON

Project No. 6424.000

OVERALL SECOND FLOOR PLAN

revision_

issued_

MASTER PLAN & PUD UPDATE 15 FEB 08

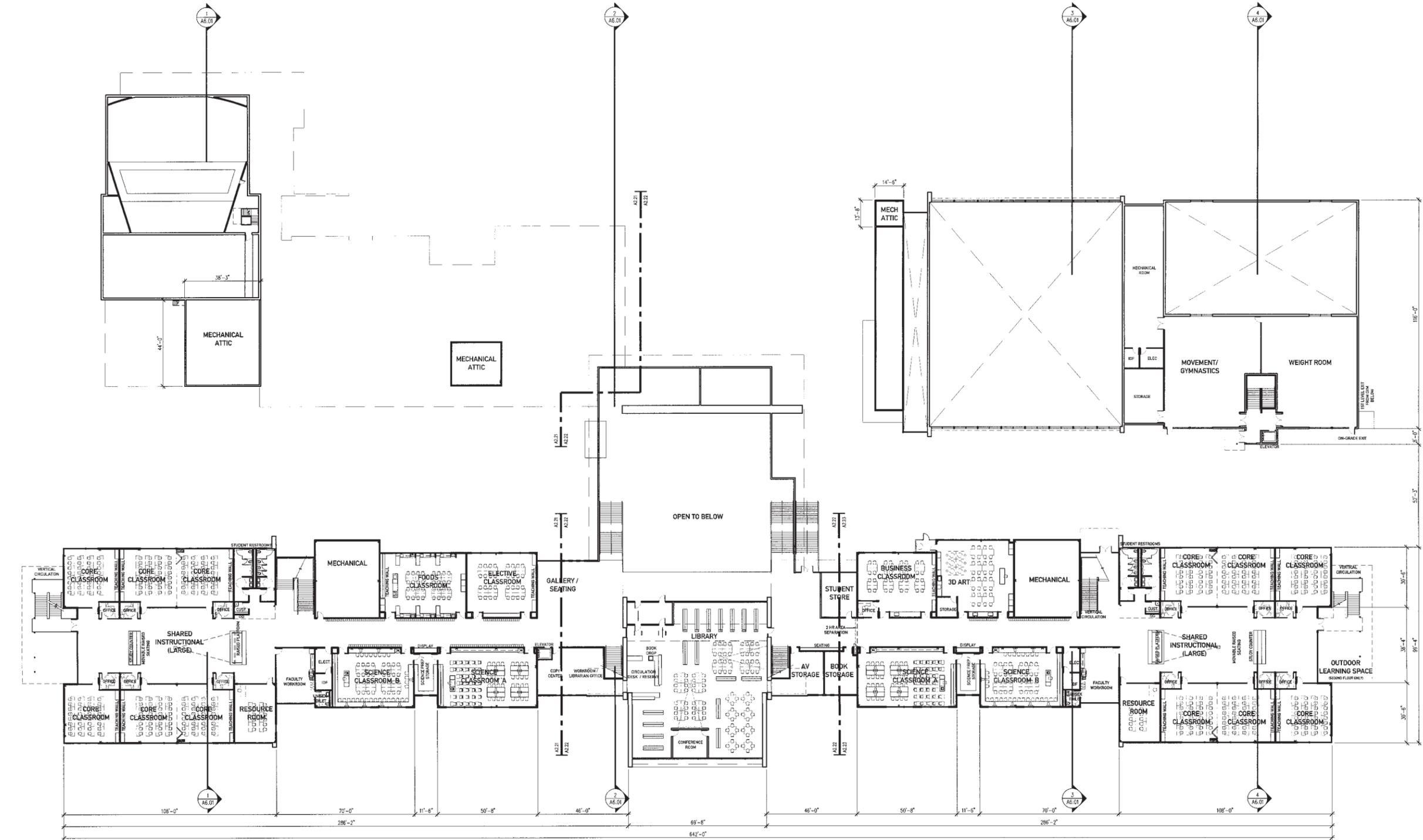
drawn_

AMH

checked_

sheet_

A2.02



OVERALL SECOND FLOOR PLAN
 1"=20'-0" PROJECT NORTH

architect.
 McGRANAHAN ARCHITECTS
 civil engineer.
 CPL ENGINEERS
 landscape architecture.
 SITE WORKSHOP
 structural engineer.
 PSS STRUCTURAL SOLUTIONS
 mechanical engineer.
 BCE ENGINEERS
 electrical engineer.
 HARGIS ENGINEERS
 food service.
 CLEVELAND ASSOCIATES
 theater design.
 PLA DESIGNS

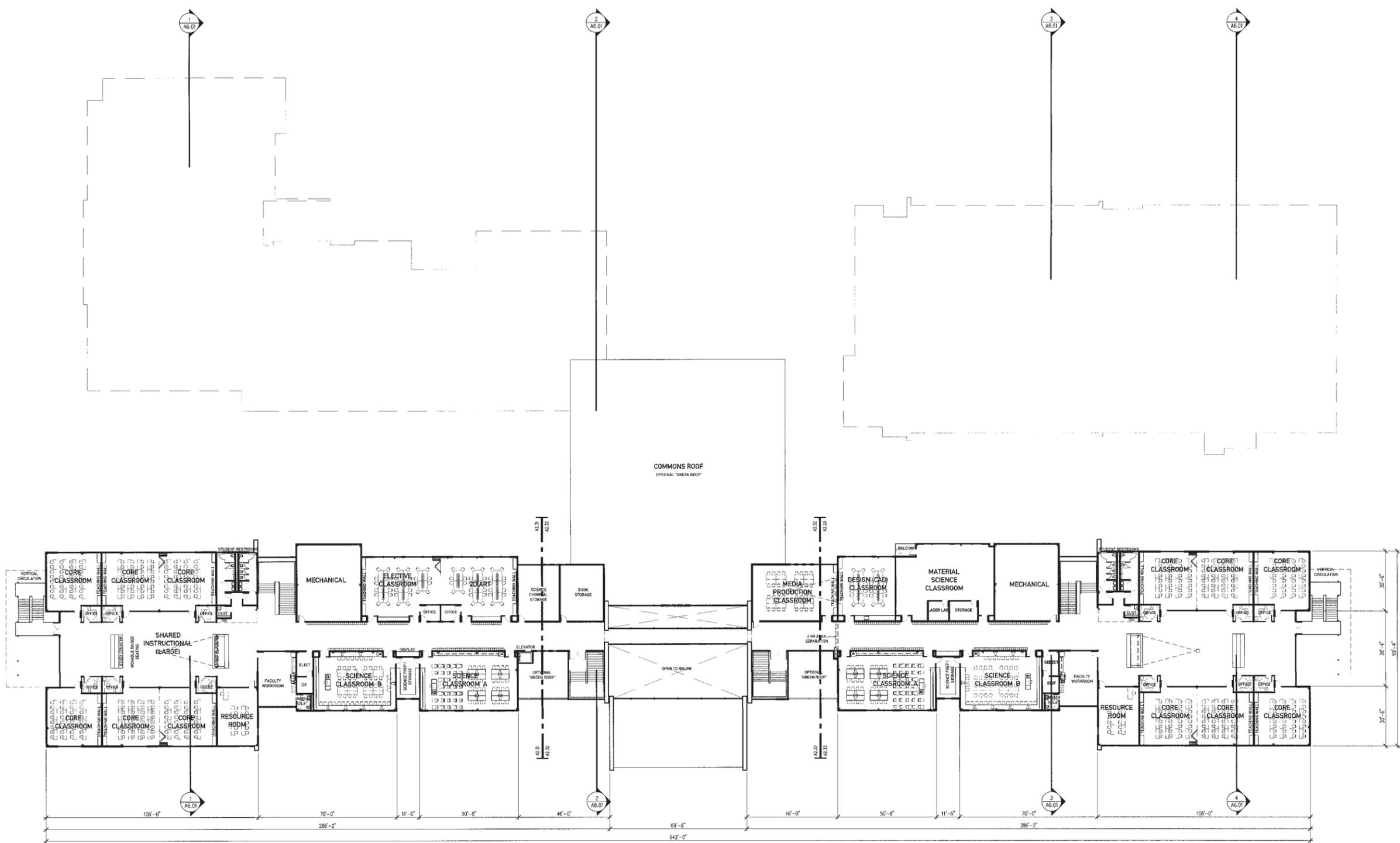
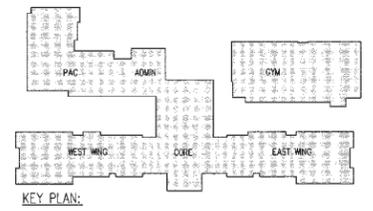
project.
 LAKE WASHINGTON HIGH SCHOOL
 client.
 LAKE WASHINGTON SCHOOL DISTRICT
 location.
 KIRKLAND, WASHINGTON

Project No. 0624.000
OVERALL THIRD FLOOR PLAN

revision.
 issued.
 MASTER PLAN & PAD UPDATE 15 FEB 08

drawn.
 AMB
 checked.

sheet.
A2.03



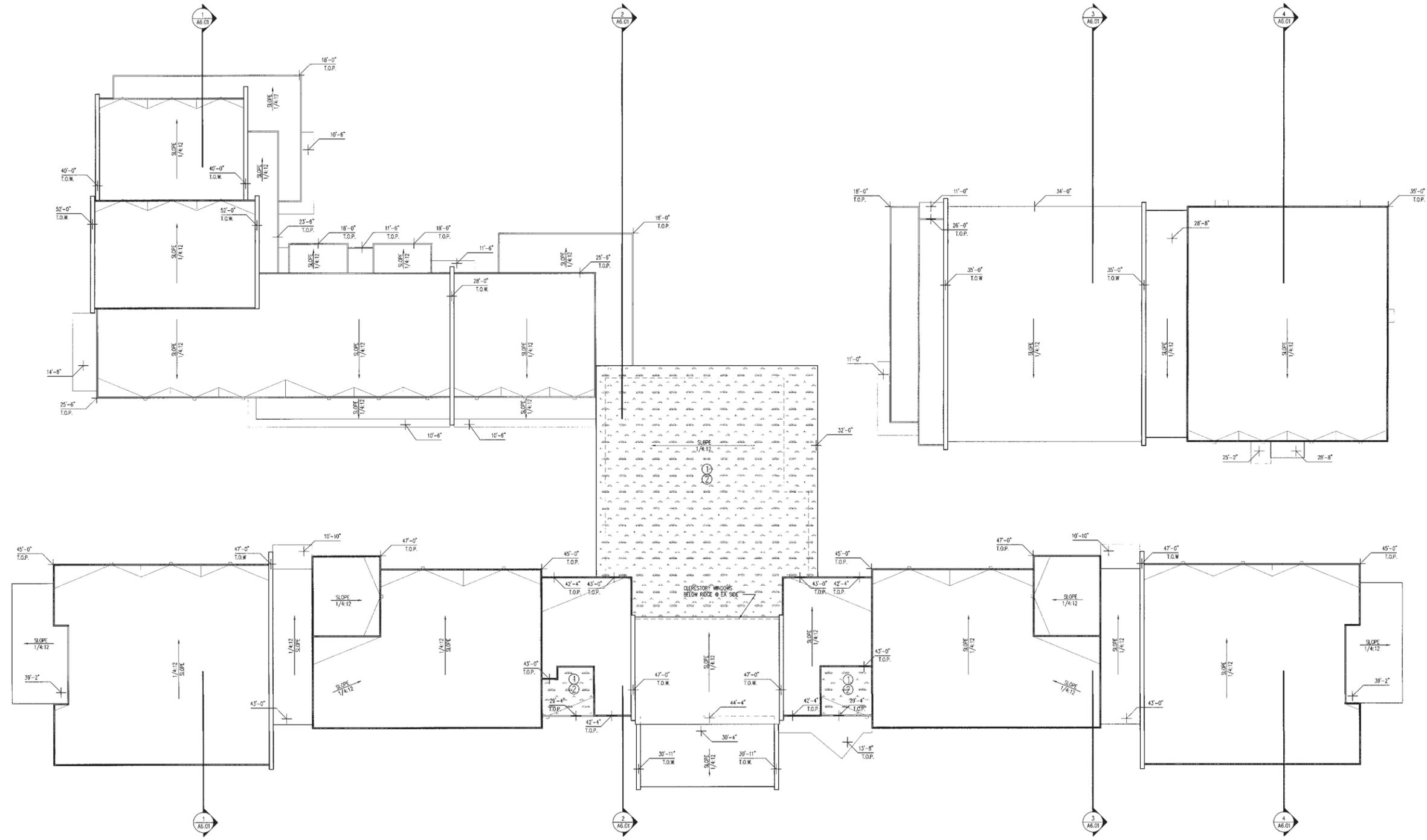
OVERALL THIRD FLOOR PLAN
 1" = 20'-0" PROJECT NORTH

ROOF ASSEMBLIES

- ① SINGLE-PLY ROOFING MEMBRANE OVER 1/2" GYPSUM COVER BOARD OVER RIGID INSULATION (R30 VALUE OVER CONDITIONED SPACES) OVER VAPOR BARRIER OVER 1/2" GYPSUM BOARD THERMAL BARRIER OVER STEEL DECKING PER STRUCTURAL.
- ② ALTERNATE GREEN ROOF ASSEMBLY OVER SINGLE-PLY ROOFING MEMBRANE OVER 1/2" GYPSUM COVER BOARD OVER RIGID INSULATION (R30 VALUE OVER CONDITIONED SPACES) OVER VAPOR BARRIER OVER 1/2" GYPSUM BOARD THERMAL BARRIER OVER STEEL DECKING PER STRUCTURAL.

ROOF PLAN GENERAL NOTES: (SHEETS A4.01-A4.06)

- 1. SMACNA ARCHITECTURAL SHEET M11 MANUAL - LATEST EDITION, USED AS BASIS OF DESIGN WITH CALCULATED ROOF AREA DRAINED PER DOWNSPOUT AREA EQUAL TO 360 SQ FT PER 50 IN.
- 2. ALL DOWNSPOUT SIZES NOTED ARE INSIDE DIAMETER AND ARE SS PIPE. SEE FOR TYPICAL ATTACHMENT DETAIL.
- 3. DOWNSPOUT LOCATIONS ARE APPROXIMATE. SEE BUILDING ELEVATIONS FOR LOCATIONS.
- 4. PROVIDE GUTTER EXPANSION JOINTS AND SPLASH PANS PER SMACNA STANDARDS.
- 5. OVERHANG DIMENSIONS ARE FROM GRIDLINE TO CENTERLINE OF BEAM, UNLESS OTHERWISE NOTED.
- 6. SEE FOR TYPICAL MECHANICAL CURB DETAIL.
- 7. SEE FOR TYPICAL ROOF PENETRATION DETAIL AT SINGLE-PLY ROOFING.
- 8. SEE MECHANICAL DRAWINGS FOR MECHANICAL ROOF TOP UNITS.



architect_ **McGRANAHAN ARCHITECTS**
 civil engineer_ **CPL ENGINEERS**
 landscape architecture_ **SITE WORKSHOP**
 structural engineer_ **PIS STRUCTURAL SOLUTIONS**
 mechanical engineer_ **BOE ENGINEERS**
 electrical engineer_ **HARGIS ENGINEERS**
 food service_ **CLEVELAND ASSOCIATES**
 theater design_ **PLA DESIGNS**

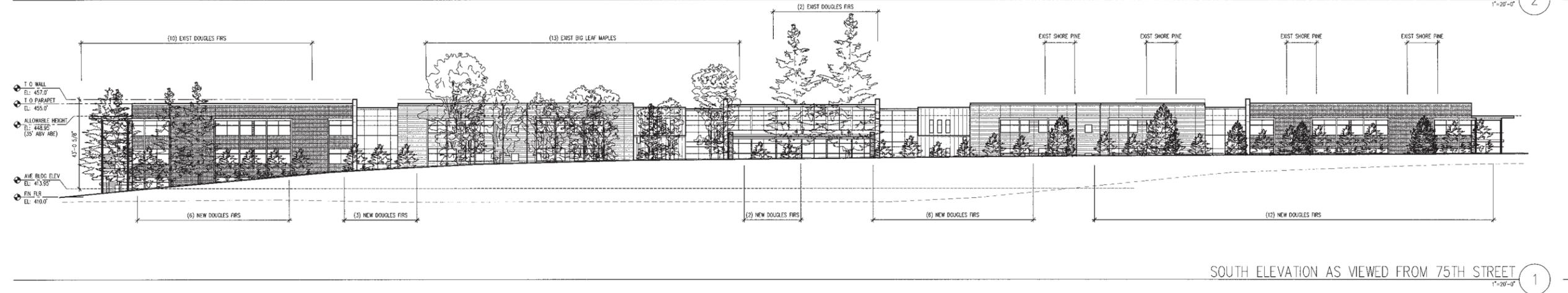
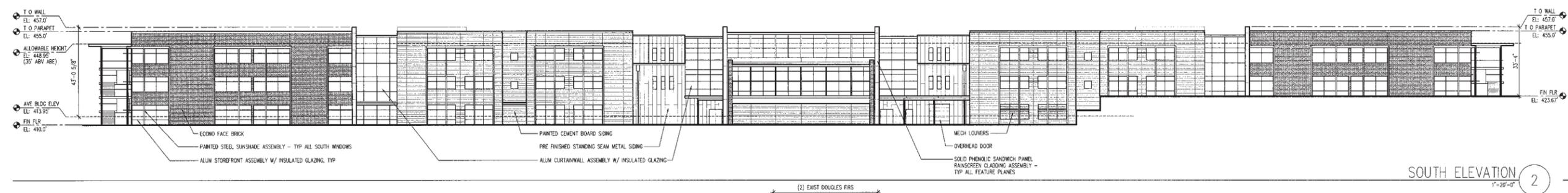
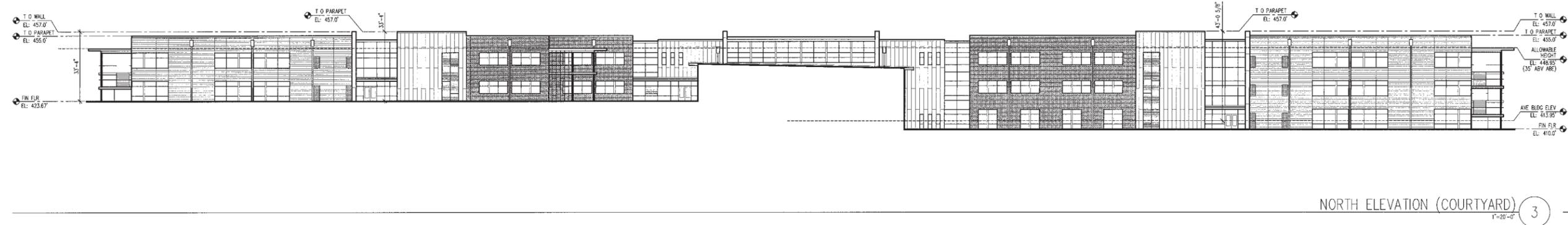
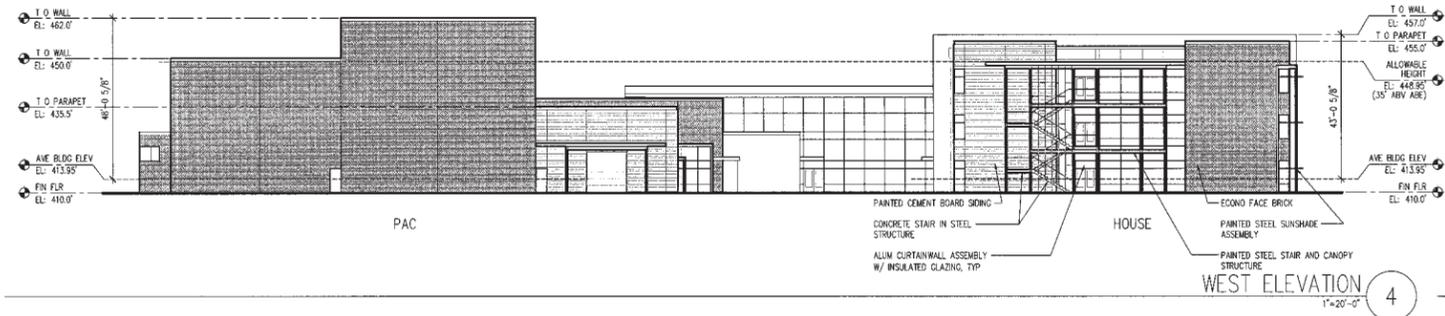
project_ **LAKE WASHINGTON HIGH SCHOOL**
 client_ **LAKE WASHINGTON SCHOOL DISTRICT**
 location_ **KIRKLAND, WASHINGTON**

Project No. **0624.000**
OVERALL ROOF PLAN

revision_
 issued_ **MASTER PLAN & PUD UPDATE** 15 FEB 08

drawn_ **AHJ**
 checked_

sheet_ **A4.00**



architect.
 MGRANAHAN ARCHITECTS
 civil engineer.
 CPL ENGINEERS
 landscape architecture.
 SITE WORKSHOP
 structural engineer.
 PCS STRUCTURAL SOLUTIONS
 mechanical engineer.
 BCE ENGINEERS
 electrical engineer.
 HARRIS ENGINEERS
 food service.
 CLEVELER ASSOCIATES
 theater design.
 PLA DESIGNS

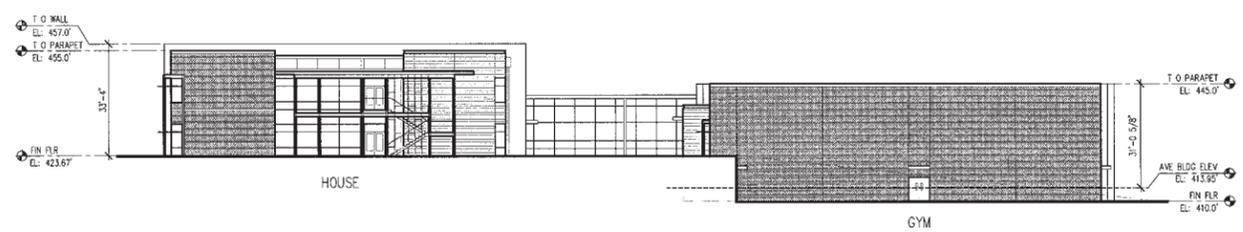
project.
 LAKE WASHINGTON HIGH SCHOOL
 client.
 LAKE WASHINGTON SCHOOL DISTRICT
 location.
 KIRKLAND, WASHINGTON

Project No. 0624.000
EXTERIOR ELEVATIONS

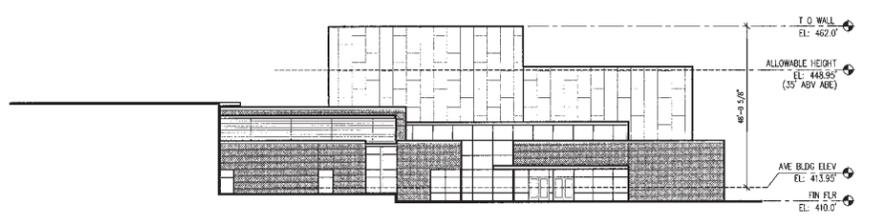
revision.
 issued.
 MASTER PLAN & PUD UPDATE 15 FEB 08

drawn.
 AMH
 checked.

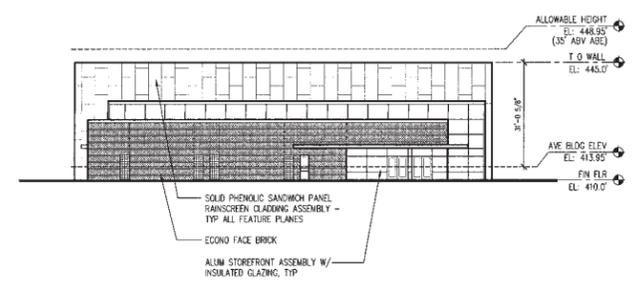
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A5.01



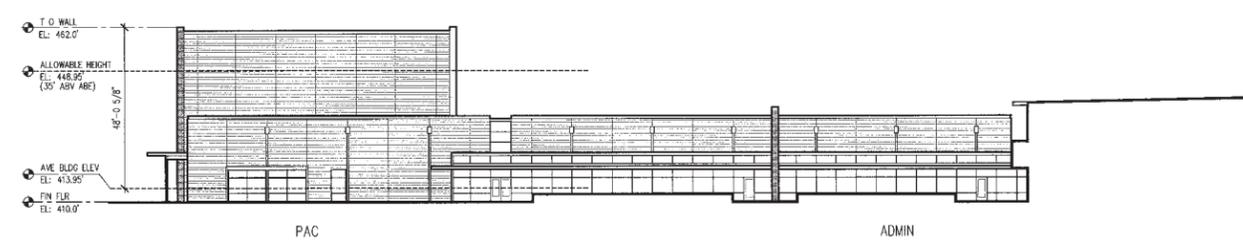
EAST ELEVATION 7
1"=20'-0"



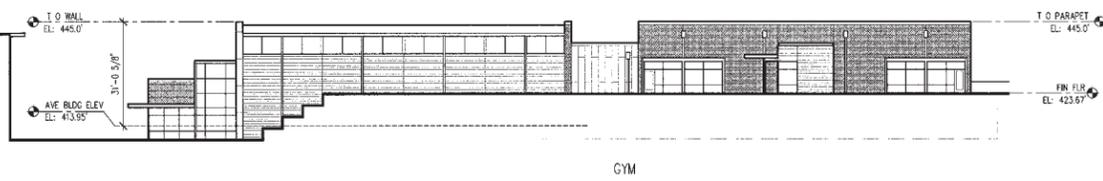
EAST ELEVATION (PAC) 6
1"=20'-0"



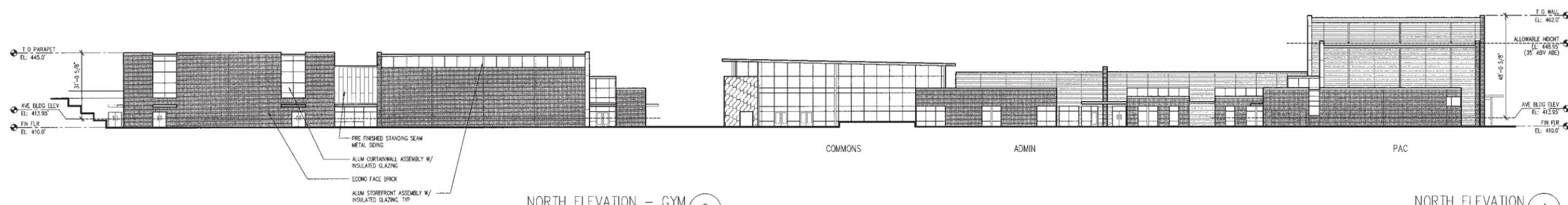
WEST ELEVATION - GYM 5
1"=20'-0"



SOUTH ELEVATION - PAC AND ADMIN 4
1"=20'-0"



SOUTH ELEVATION 3
1"=20'-0"



NORTH ELEVATION - GYM 2
1"=20'-0"

NORTH ELEVATION 1
1"=20'-0"

architect_ MCGRANAHAN ARCHITECTS
civil engineer_ CPL ENGINEERS
landscape architecture_ SITEWORKSHOP
structural engineer_ PCS STRUCTURAL SOLUTIONS
mechanical engineer_ BCE ENGINEERS
electrical engineer_ HARRIS ENGINEERS
food service_ CLEVELINGER ASSOCIATES
theater design_ FLA DESIGNS

project_ LAKE WASHINGTON HIGH SCHOOL
client_ LAKE WASHINGTON SCHOOL DISTRICT
location_ KIRKLAND, WASHINGTON

Project No. 902A.000

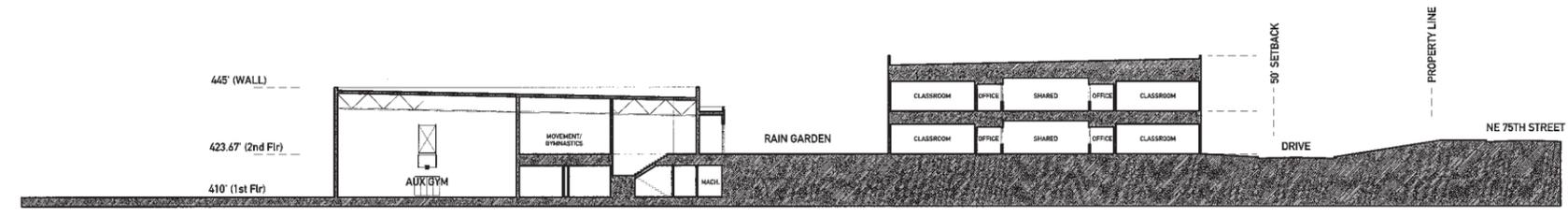
EXTERIOR ELEVATIONS

revision_ Issued_ MASTER PLAN & PUD UPDATE 18 FEB 08

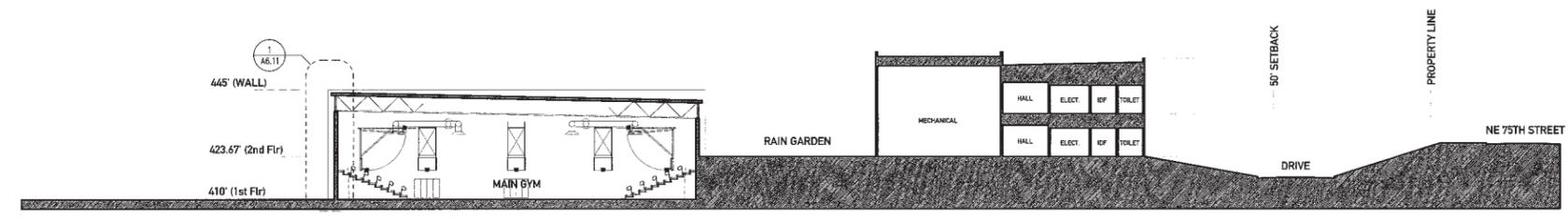
drawn_ AMH
checked_

sheet_ A5.02

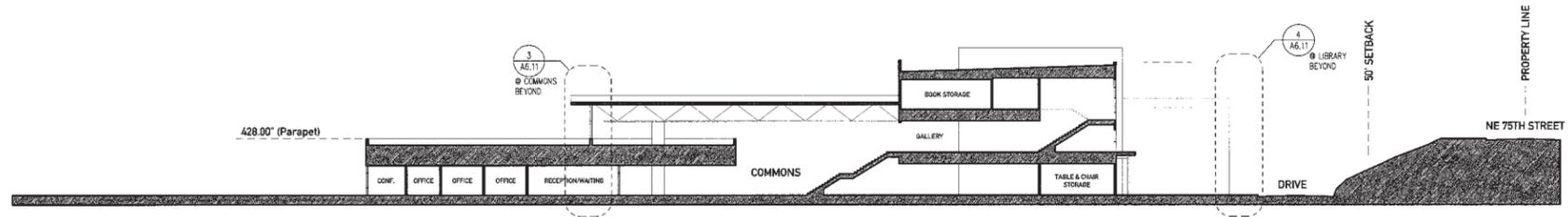
architect,
 McGRANAHAN ARCHITECTS
 civil engineer,
 CPL ENGINEERS
 landscape architecture,
 SITE WORKSHOP
 structural engineer,
 POS STRUCTURAL SOLUTIONS
 mechanical engineer,
 BCE ENGINEERS
 electrical engineer,
 HARGIS ENGINEERS
 food service,
 CLEVELANDER ASSOCIATES
 theater design,
 PLA DESIGNS



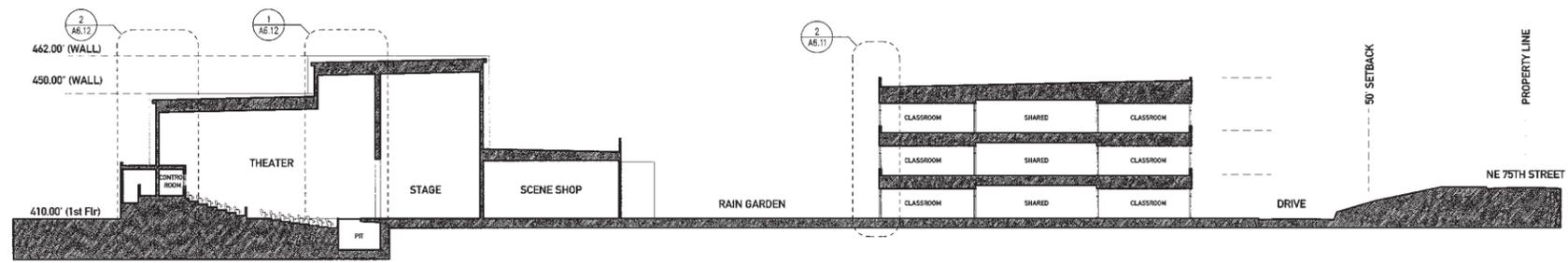
BUILDING SECTION 4
1"=20'-0"



BUILDING SECTION 3
1"=20'-0"



BUILDING SECTION 2
1"=20'-0"



BUILDING SECTION 1
1"=20'-0"

project,
 LAKE WASHINGTON HIGH SCHOOL
 client,
 LAKE WASHINGTON SCHOOL DISTRICT
 location,
 KIRKLAND, WASHINGTON

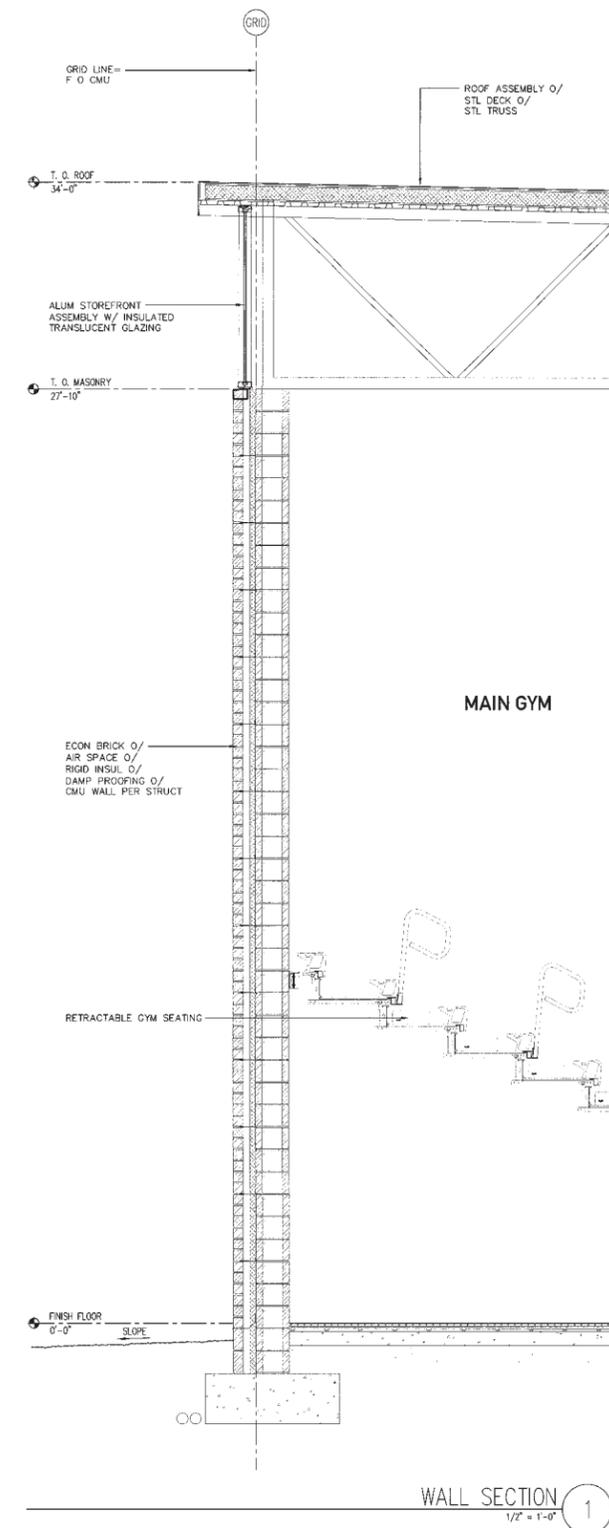
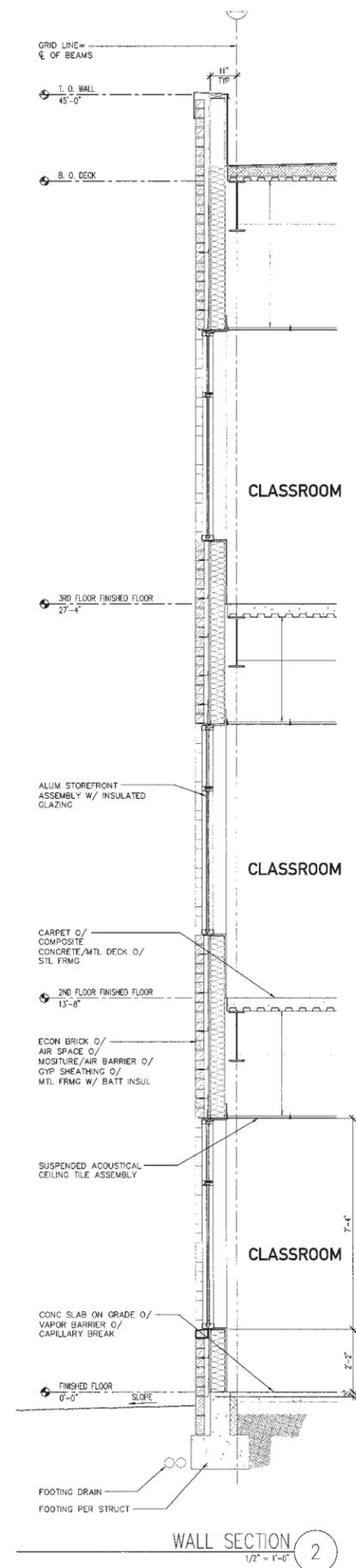
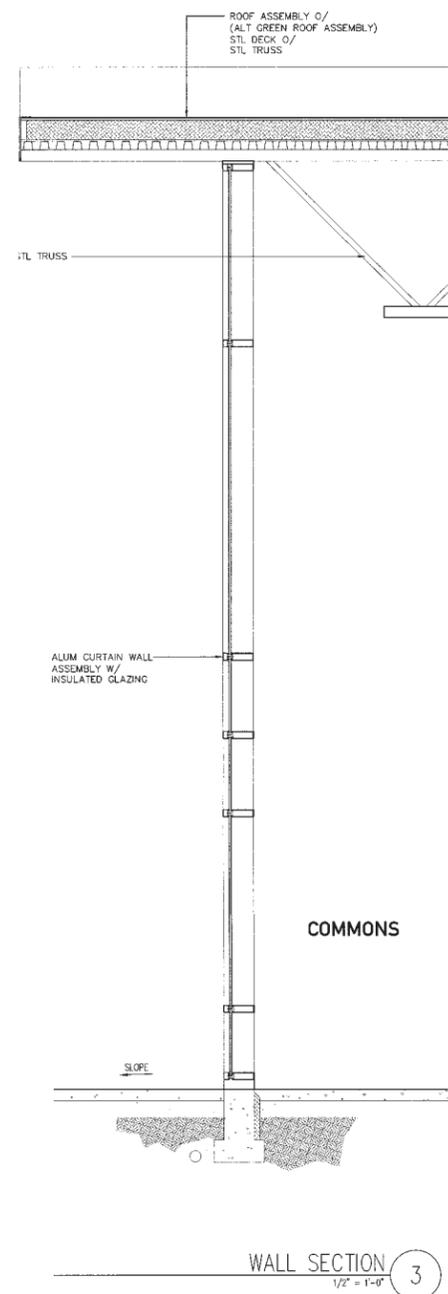
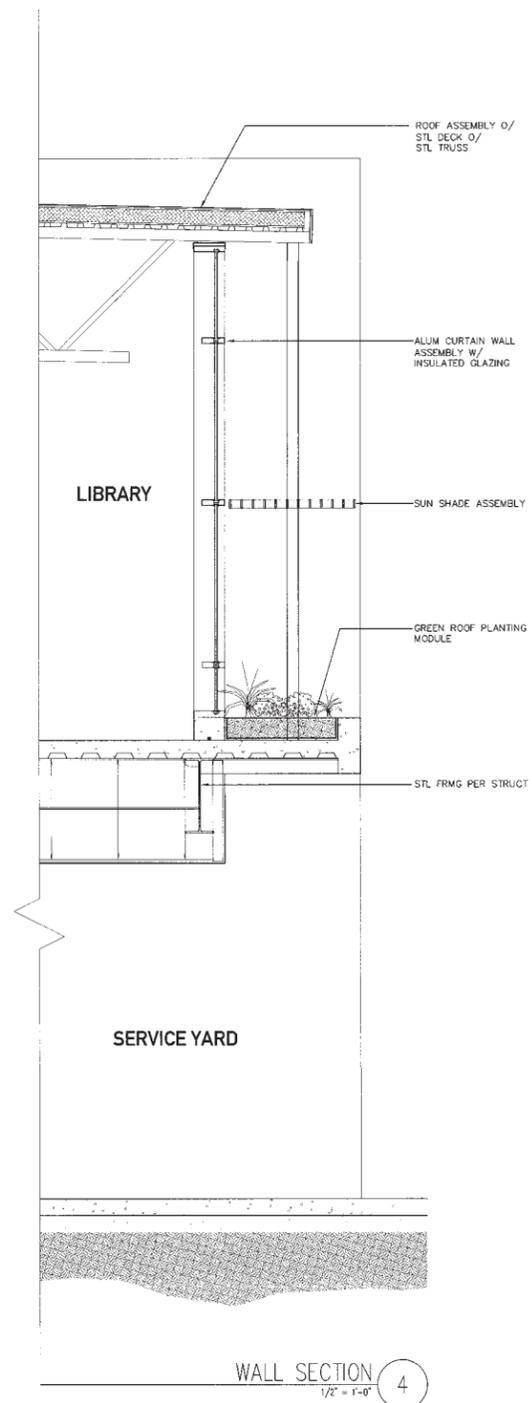
Project No. 0624-000

BUILDING SECTIONS

revision,
 issued,
 MASTER PLAN & PUD UPDATE 15 FEB 08

drawn,
 checked,

sheet,
A6.01



architect,
McGRANAHAN ARCHITECTS

civil engineer,
CPL ENGINEERS

landscape architecture,
SITE WORKSHOP

structural engineer,
PCS STRUCTURAL SOLUTIONS

mechanical engineer,
BCE ENGINEERS

electrical engineer,
HARGIS ENGINEERS

food service,
CLEVENGER ASSOCIATES

theater design,
PLA DESIGNS

project,
LAKE WASHINGTON HIGH SCHOOL

client,
LAKE WASHINGTON SCHOOL DISTRICT

location,
KIRKLAND, WASHINGTON

Project No. 0424.000

WALL SECTIONS

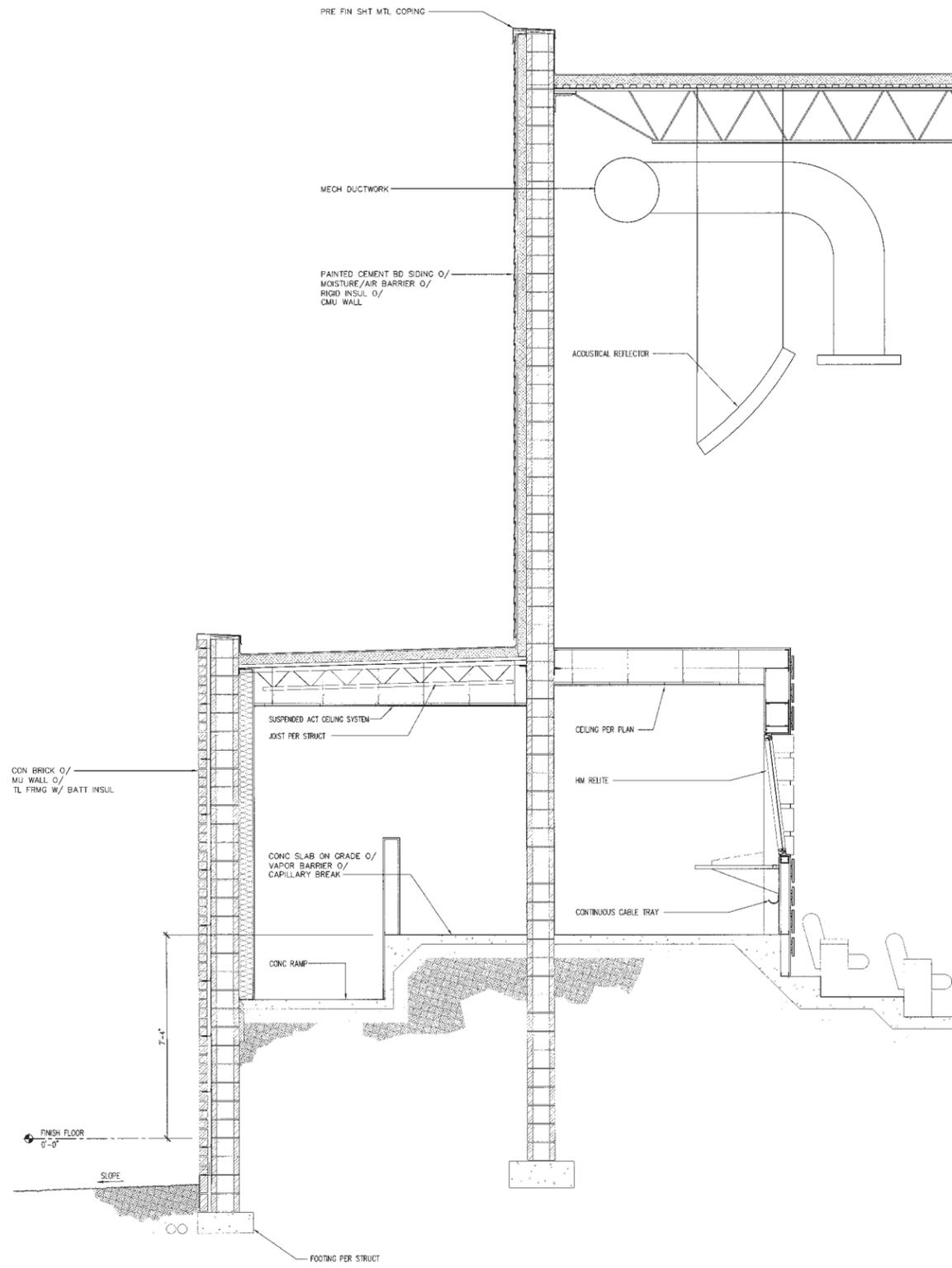
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MASTER PLAN & PID UPDATE 15 FEB 08

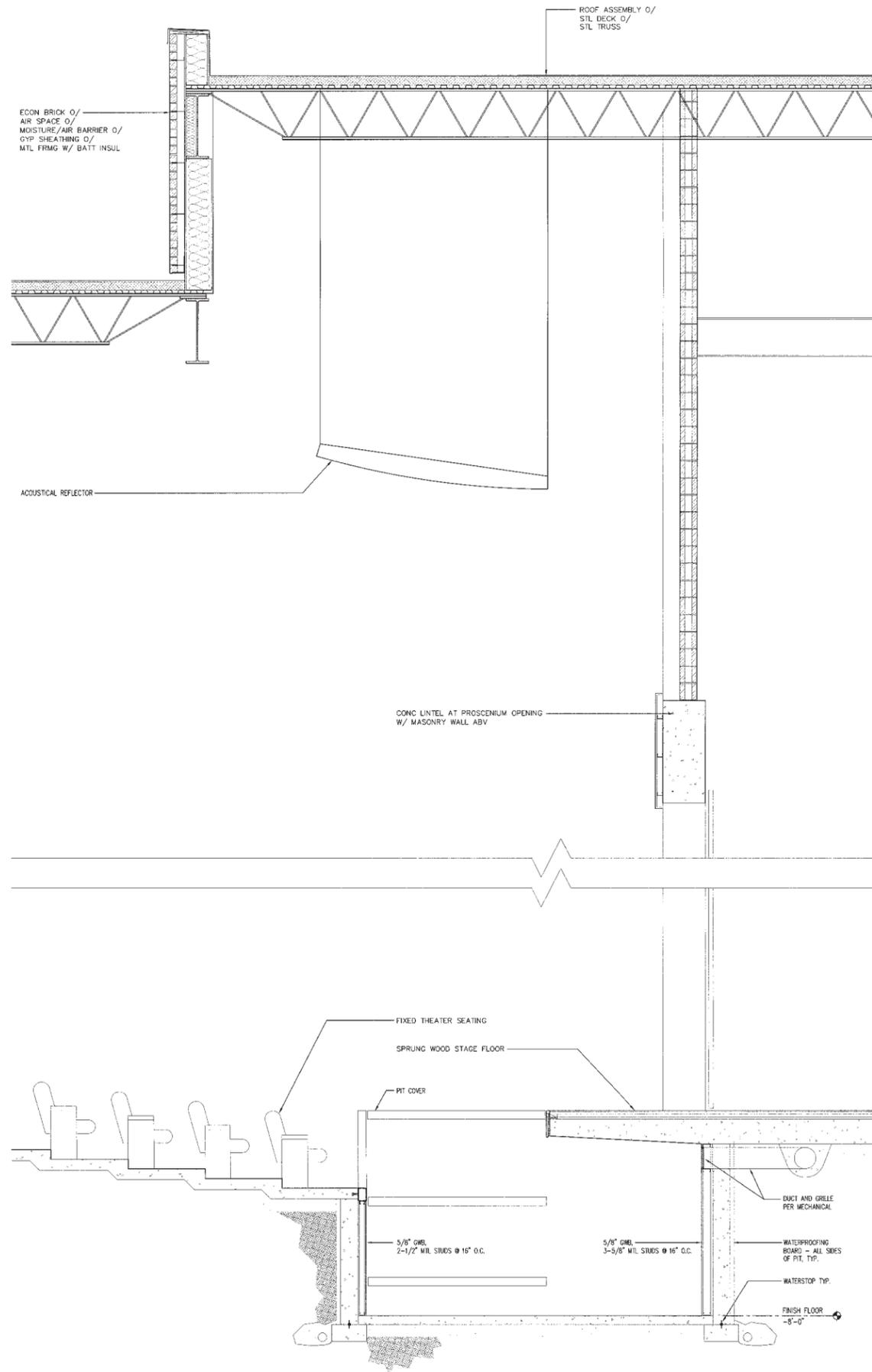
drawn,
AMM

checked,

sheet,
A6.11



WALL SECTION 2
1/2" = 1'-0" 2



WALL SECTION 1
1/2" = 1'-0" 1

ME PLANC

architect,
McDRANAHAN ARCHITECTS
civil engineer,
CPL ENGINEERS
landscape architecture,
SITEWORKSHOP
structural engineer,
PCS STRUCTURAL SOLUTIONS
mechanical engineer,
BCE ENGINEERS
electrical engineer,
HARRIS ENGINEERS
food service,
CLEVENBER ASSOCIATES
theater design,
PLA DESIGNS

project,
LAKE WASHINGTON HIGH SCHOOL
client,
LAKE WASHINGTON SCHOOL DISTRICT
location,
KIRKLAND, WASHINGTON

Project No. 0424.000

WALL SECTIONS

revision,
issued,
MASTER PLAN & PUC UPDATE 15 FEB 08
drawn,
AMH
checked,