CATALYST ADDITION

NEWBERG PUBLIC SCHOOLS

1421 Deborah Rd, Newberg, OR 97132

owner
Newberg Public Schools
714 E 6th St.
Newberg, OR 97132
t: (503) 554-5004
Nikki Fowler

architect
BRIC Architecture Inc.
1233 NW Northrup Street, Suite 100
Portland, Oregon 97209
t: (503) 595 4900
David Johnson

project manager
Cornerstone Management Group
21370 SW Langer Farms Prkwy,
Suite 142, Box 202
Sherwood, OR 97140
t: (503) 694 - 8657
Casey Cunningham

civil engineer
Emerio Design
6445 SW Fallbrook Place, Suite 100
Beaverton, OR 97008
t: (503) 746-8812
Eric Evans

landscape architect
Walker Macy
111 SW oak Street, Suite 200
Portland, OR 97204
t: (503) 228 - 3122
Michael Zillis

structural engineer
Froelich Engineering
17700 SW Upper Boones Ferry Rd.,
Suite 115 Portland OR 97224
t: (503) 624 - 7005
Dean Azimi

mechanical engineer
PAE Consulting Engineers
522 SW 5th Ave, Suite 1500
Portland, OR 97204
t:(503) 226 - 2921
Ruwan Jayaweera

plumbing engineer
PAE Consulting Engineers
522 SW 5th Ave, Suite 1500
Portland, OR 97204
t(503) 226 - 2921
Eric Walczyk

electrical engineer
PAE Consulting Engineers
522 SW 5th Ave, Suite 1500
Portland, OR 97204
t(503) 226 - 2921
Steve Diffenderfer

technology
Vertex
25085 SW Rainbow Ln
Hillsboro, OR 97123
t: (503) 201 - 6568
Darcy Tucker

CIVIL

C1.00 EXISTING CONDITIONS AND DEMOLITION PLAN
C2.00 GRADING PLAN - WEST
C2.01 GRADING PLAN - EAST
C3.00 SITE UTILITY PLAN
C5.00 DETAILS
C5.01 DETAILS

LANDSCAPE

L0.01 TREE PROTECTION PLAN
L1.01 MATERIALS PLANS
L2.01 LAYOUT PLAN
L3.01 PLANTING PLAN
L4.01 PAVING DETAILS
L4.02 STAIRS & HANDRAILS DETAILS
L4.03 WALLS DETAILS
L4.04 SITE FURNISHING DETAILS
L4.05 PLANTING DETAILS

ARCHITECTURE

A1.01 SITE PLAN- BASE BID + BID ALT
A2.00 OVERALL FLOOR PLAN - LEVEL 1
A2.10 LEVEL 1 - FLOOR PLAN - SECTOR A
A2.11 LEVEL 1 - FLOOR PLAN - SECTOR B- BASE BID
A2.11B LEVEL 1 - FLOOR PLAN - SECTOR B - BID ALTERNATE
A2.40 OVERALL ROOF PLAN
A3.10 EXISTING EXTERIOR ELEVATIONS FOR REFERENCE ONLY
A3.11 EXTERIOR ELEVATIONS- BASE BID
A3.12 EXTERIOR ELEVATIONS - BID ALTERNATE
A3.13 PERSPECTIVE RENDERING

ELECTRICAL

E0.01 SYMBOLS, LEGENDS AND ABBREVIATIONS - LANDUSE
E0.10 LAND USE SITE PLAN - ELECTRICAL
E0.11 LAND USE SITE PLAN - PHOTOMETRICS

PROJECT INFORMATION

ZONING:	R-1 LOW DENSITY RESIDENTIAL
TOTAL SITE AREA:	72.0 ACRES (FROM TAX MAP)
SITE AREA WITHIN WORK BOUNDARY LINE:	3.25 ACRES (141,370 SF)
TOTAL BUILDING AREA:	EXISTING BUILDING: 13,662 SF NEW ADDITION BASE BID: 14,266 SF NEW ADDITION BID ALTERNATE: 15,550 SF
LANDSCAPE AREA REQUIRED:	15% = 21,207 SF (WITHIN WORK BOUNDARY LINE)
LANDSCAPE AREA PROVIDED:	21% = 32,093 SF (WITHIN WORK BOUNDARY LINE)
ROADS + PARKING:	51,880 SF
SITE PAVING:	16,235 SF
TOTAL NON-LANDSCAPE:	96,635 SF
TOTAL PROPOSED PARKING STALLS:	47 PROPOSED PARKING STALLS
TOTAL PARKING STALLS WITHIN WORK BOUNDARY LINE:	98 TOTAL PARKING STALLS

ALTERNATES

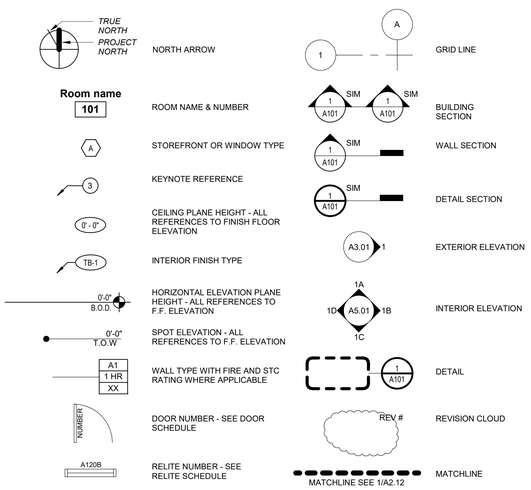
1) BID ALTERNATE 1 :
LARGER LEARNING POD FOR "COA" STUDENTS AT NORTH-EAST SIDE OF ADDITION. LARGER ENTRY CANOPY AT ENTRANCE TO ADDITION.
SEE SHEETS A0.04B, A2.11B, A2.41B, A3.11B, A3.21B, A4.11B, A4.40B, A5.20, A5.21, A5.22, A6.11B

2) BID ALTERNATE 2:
OUTDOOR COVERED PLAY AREA WITH CANOPY ABOVE AT NORTH SIDE OF MULTIPURPOSE ROOM.
SEE SHEETS A0.04B, A2.11B, A2.41B, A3.11B, A3.21B, A4.11B, A4.40B, A6.11B

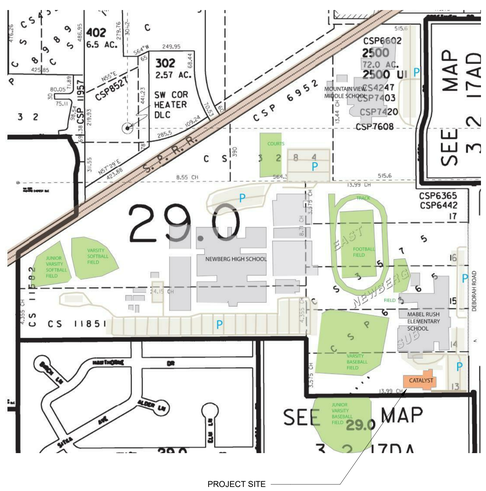
ARCHITECTURAL ABBREVIATIONS

∠	ANGLE	EOS	EDGE OF SLAB	MATL	MATERIAL	SHTG	SHEATHING
&	AND	ENGR	ENGINEER	MB	MARKERBOARD	SHWR	SHOWER
AB	ANCHOR BOLT	EQ	EQUAL	MAX	MAXIMUM	SHT	SHEET
ACT	ACOUSTICAL CEILING TILE	EQUIP	EQUIPMENT	MECH	MECHANICAL	SIM	SIMILAR
ADD	ADDENDUM	ES	EACH SIDE	MED	MEDIUM	SJ	SEISMIC JOINT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	EW	EACH WAY	MEZZ	MEZZANINE	SM	SHEET METAL
		EXP	EXPANSION	MFR	MANUFACTURER	SOG	SLAB ON GRADE
AFF	ABOVE FINISH FLOOR	EXT	EXTERIOR	MIN	MINIMUM	SQ	SQUARE
ALS	AREA LIGHT STANDARD			MIR	MIRROR	SS	STAINLESS STEEL
ALUM	ALUMINUM	FA	FIRE ALARM	MISC	MISCELLANEOUS	STD	STANDARD
ANOD	ANODIZED	FD	FLOOR DRAIN	MTD	MOUNTED	STL	STEEL
		FDN	FOUNDATION	MO	MASONRY OPENING	STOR	STORAGE
BD	BOARD	FE	FIRE EXTINGUISHER	MTL	METAL	STRUCT	STRUCTURAL
BLDG	BUILDING	FEC	FIRE EXTINGUISHER CABINET			SUSP	SUSPENDED
BLKG	BLOCKING	FECB	FIRE EXTINGUISHER CABINET W/ BLANKET	(N)	NEW	T/M	TO MATCH
BM	BENCH MARK			NA	NOT APPLICABLE	TC	TOP OF CURB
BO	BOTTOM OF	FF	FINISH FLOOR	NIC	NOT IN CONTRACT	TEL	TELEPHONE
BOT	BOTTOM	FIN	FINISH	NOM	NOMINAL	T&G	TONGUE AND GROOVE
BTWN	BETWEEN	FL	FLOOR	NS	NELSON STUD	THK	THICK
		FO	FACE OF	NTS	NOT TO SCALE	TO	TOP OF
C	CHANNEL	FOC	FACE OF CONCRETE			TOD	TOP OF DECK
CB	CATCH BASIN	FOF	FACE OF FINISH	OA	OVERALL	TOS	TOP OF STRUCTURE
CCTV	CLOSED CIRCUIT TV	FOM	FACE OF MASONRY	OC	ON CENTER	TJ	TOOL JOINT
CG	CORNER GUARD	FOS	FACE OF STUD	OD	OVERFLOW DRAIN	TP	TOILET PAPER
CIP	CAST IN PLACE CONCRETE	FRT	FIRE RETARDANT TREATED	OD	OUTSIDE DIAMETER	TS	TUBE STEEL
CLG	CEILING	FTG	FOOTING	OFC	OFFICE	TYP	TYPICAL
CLR	CLEAR	FURR	FURRING	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
CJ	CONTROL JOINT						
CMU	CONCRETE MASONRY UNIT	GA	GAUGE/GAGE	OFOI	OWNER FURNISHED OWNER INSTALLED	UNFIN	UNFINISHED
CONT	CONTINUOUS	GALV	GALVANIZED			UNO	UNLESS NOTED OTHERWISE
CORR	CORRIDOR	GB	GRAB BAR	OH	OVERHEAD		
CR	CLASSROOM	GC	GENERAL CONTRACTOR	OPNG	OPENING		
CSJ	CONSTRUCTION JOINT	GL	GLASS	OPP	OPPOSITE	VB	VAPOR BARRIER
CSMT	CASEMENT	GND	GROUND	OS	OUTSIDE	VERT	VERTICAL
CT	CERAMIC TILE	GVP	GYPSUM VENEER PLASTER			VEST	VESTIBULE
CTR	CENTER	GWB	GYPSUM WALL BOARD	PL	PROPERTY LINE	VFY	VERIFY
	CENTERLINE			PLAS	PLASTER		
		HB	HOSE BIBB	PLYWD	PLYWOOD	W/	WITH
DBL	DOUBLE	HC	HANDICAP	PSF	PER SQUARE FOOT	W/O	WITHOUT
DTL	DETAIL	HM	HOLLOW METAL	PT	PRESSURE TREATED	WC	WATER CLOSET
DF	DRINKING FOUNTAIN	HPC	HIGH PERFORMANCE COATING	PVMT	PAVEMENT	WD	WOOD
DIA	DIAMETER	HVAC	HEATING, VENTILATION AND AIR CONDITIONING			WF	WIDE FLANGE
DIAG	DIAGONAL					WH	WATER HEATER
DIM	DIMENSION	HW	HOT WATER	R	RADIUS	WP	WATERPROOFING
DISP	DISPENSER			RD	ROOF DRAIN	WRB	WATER-RESISTIVE BARRIER
DN	DOWN	INSUL	INSULATION	REF	REFERENCE	WT	WEIGHT
DP	DAMPPROOFING	INT	INTERIOR	REFR	REFRIGERATOR		
DR	DOOR	IFRM	INTUMESCENT FIRE RESISTIVE MATERIALS	REQ'D	REQUIRED		
DS	DOWNSPOUT			REV	REVISE OR REVISION		
DW	DISHWASHER			RM	ROOM		
DWG	DRAWING	JAN	JANITOR	RO	ROUGH OPENING		
		JT	JOINT	RCP	REFLECTED CEILING PLAN		
(E)	EXISTING	JST	JOIST	SAHTS	SELF ADHERED HIGH TEMPERATURE SHEET		
EA	EACH						
EF	EXHAUST FAN	L	LENGTH	SAM	SELF-ADHERED		
EJ	EXPANSION JOINT	LAV	LAVATORY	SC	MEMBRANE		
EL	ELEVATION	LB	LAG BOLT	SECT	SOLID CORE		
ELEC	ELECTRICAL	LKR	LOCKER	SF	SECTION		
EJC	EXPANSION JOINT COVER	LS	LANDSCAPING	SFRM	SQUARE FOOT SPRAY-APPLIED FIRE RESISTIVE MATERIALS		
		LVR	LOUVER				

ARCHITECTURAL SYMBOLS



VICINITY MAP

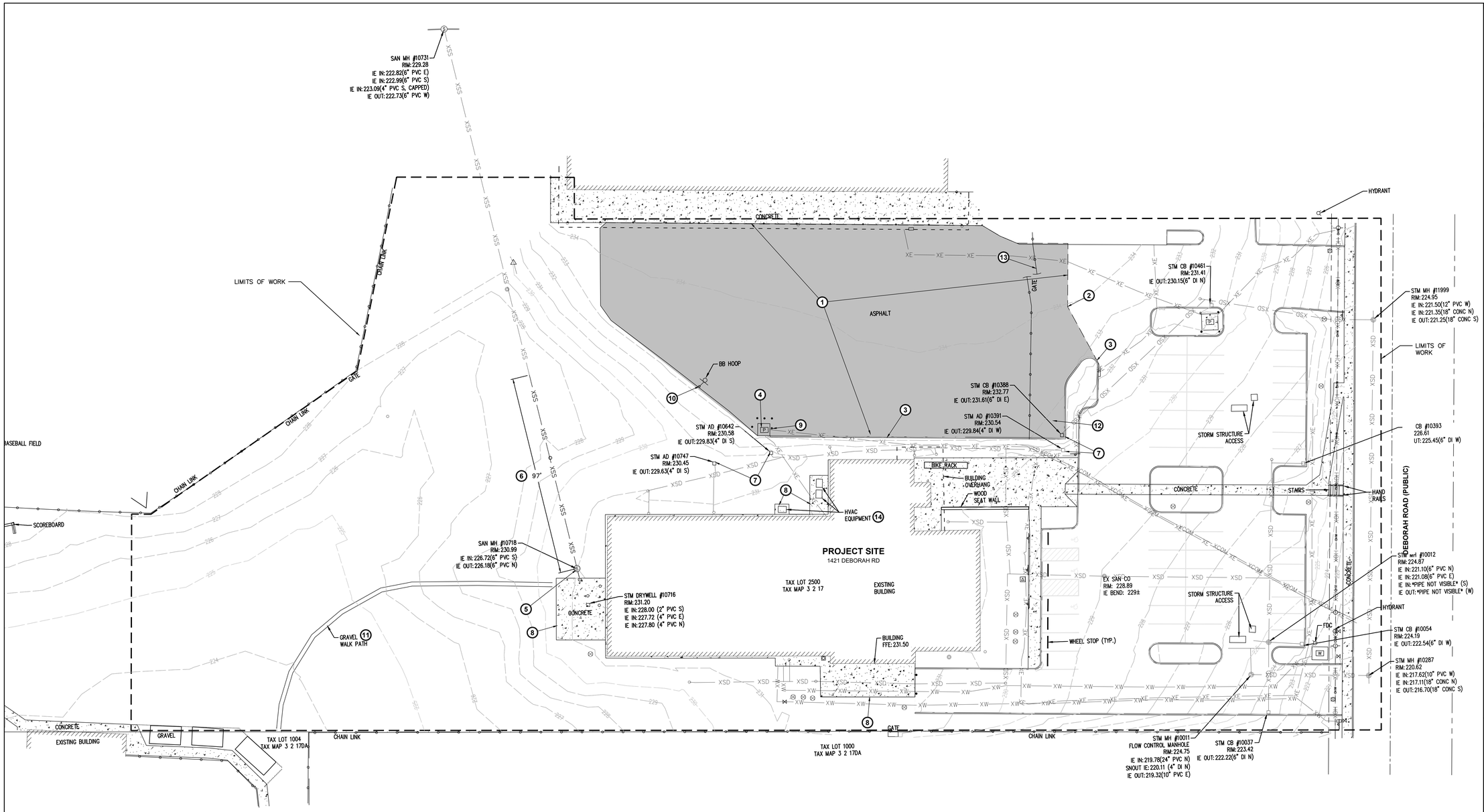


BRIC ARCHITECTURE, INC.

LAND USE SUBMITTAL

CATALYST ADDITION
LAND USE SUBMITTAL
10/15/2021
Project #21006

BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



CONSTRUCTION NOTES:

1. EXISTING ASPHALT PARKING LOT TO BE DEMOLISHED.
2. SAWCUT EXISTING ASPHALT
3. EXISTING CURB TO BE DEMOLISHED
4. EXISTING TRANSFORMER TO BE REMOVED AND REPLACED IN A NEW LOCATOIN
5. EXISTING SANITARY MH TO BE DEMOLISHED AND REMOVED
6. EXISTING SANITARY SEWER TO BE DEMOLISHED
7. EXISTING INLET TO BE DEMOLISHED AND REMOVED
8. EXISTING CONCRETE PAD TO BE DEMOLISHED AND REMOVED
9. EXISTING BOLLARDS TO BE REMOVED (TYP – 5)
10. EXISTING BASKETBALL HOOP TO BE REMOVED AND STORED FOR FUTURE USE.
11. EXISTING GRAVEL WALKWAY TO BE DEMOLISHED
12. EXISTING RECYCLING / GARBAGE BINS TO BE REMOVED AND SALVAGED
13. EXISTING CHAINLINK FENCE AND GATE TO BE DEMOLISHED
14. EXISTING HVAC EQUIPMENT TO BE REMOVED AND RELOCATED. SEE ARCHITECTURAL PLANS

LEGEND

EXISTING

- RIGHT OF WAY (ROW) LINE
- CENTERLINE
- LOT LINE
- OVERHEAD LINE
- ELECTRICAL LINE
- GAS LINE
- SANITARY SEWER
- STORM LINE
- WATER LINE
- COMM LINE
- FENCE LINE
- CURB
- SIGN
- UTILITY/LIGHT POLE
- WATER METER
- FIRE HYDRANT
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- STORM INLET
- STORM SEWER MANHOLE
- WATER VALVE
- SIGN POST
- TRANSFORMER
- EX AC TO BE DEMOLISHED

N

20' 0 10' 20' 40'

SCALE: 1" = 20'

BRIC ARCHITECTURE, INC

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

REGISTERED PROFESSIONAL ENGINEER
OREGON
NOV 12 2008
STEVEN WELLS HANSEN
EXPIRES: 6/30/2021

NOT FOR CONSTRUCTION

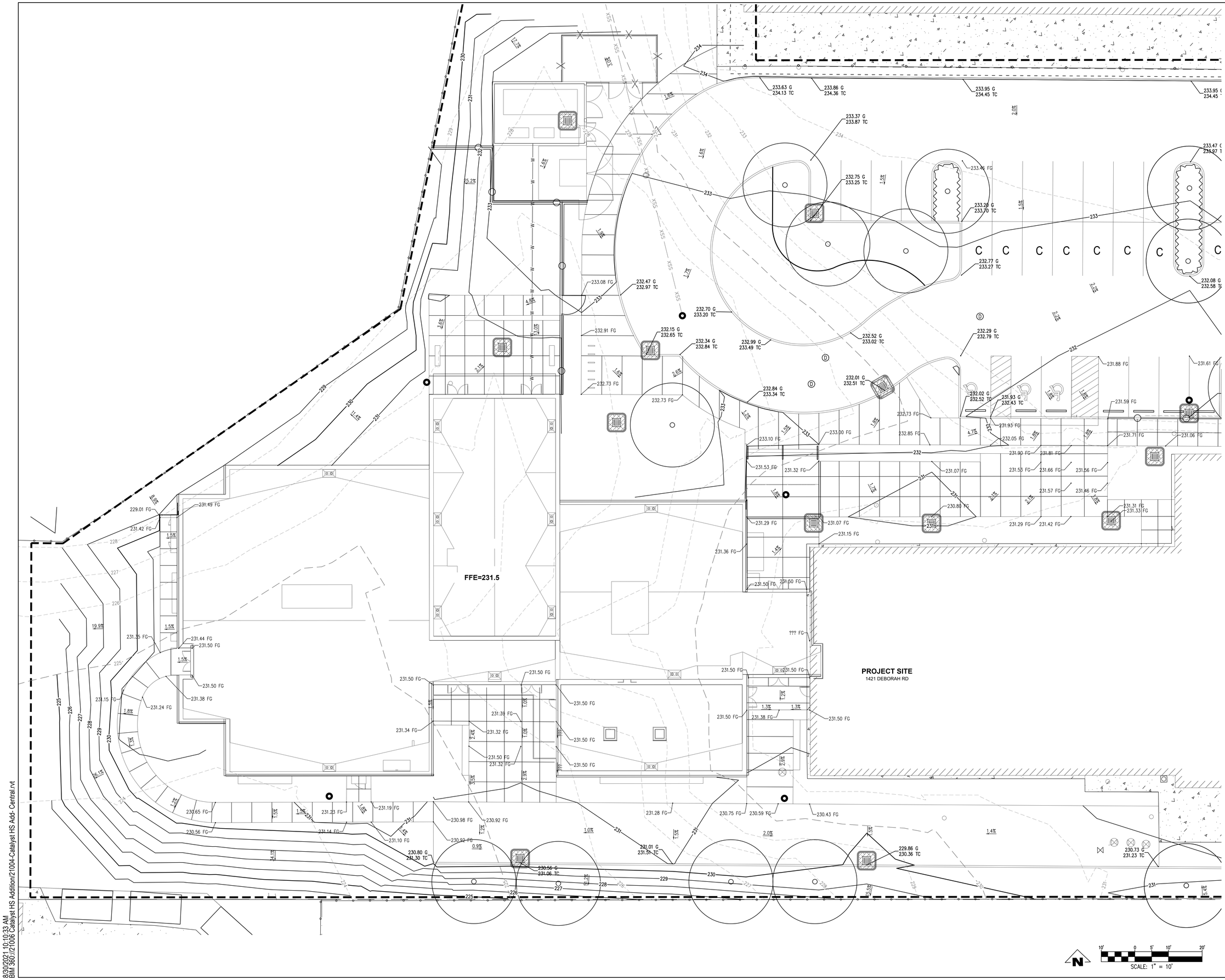
revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

EXISTING CONDITIONS AND DEMOLITION PLAN

C1.00

8/30/2021 10:10:33 AM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



BRIC ARCHITECTURE, INC

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

REGISTERED PROFESSIONAL ENGINEER
OREGON
NOV 12 2008
STEVEN WELLS HANSEN
EXPIRES: 6/30/2023

NOT FOR CONSTRUCTION

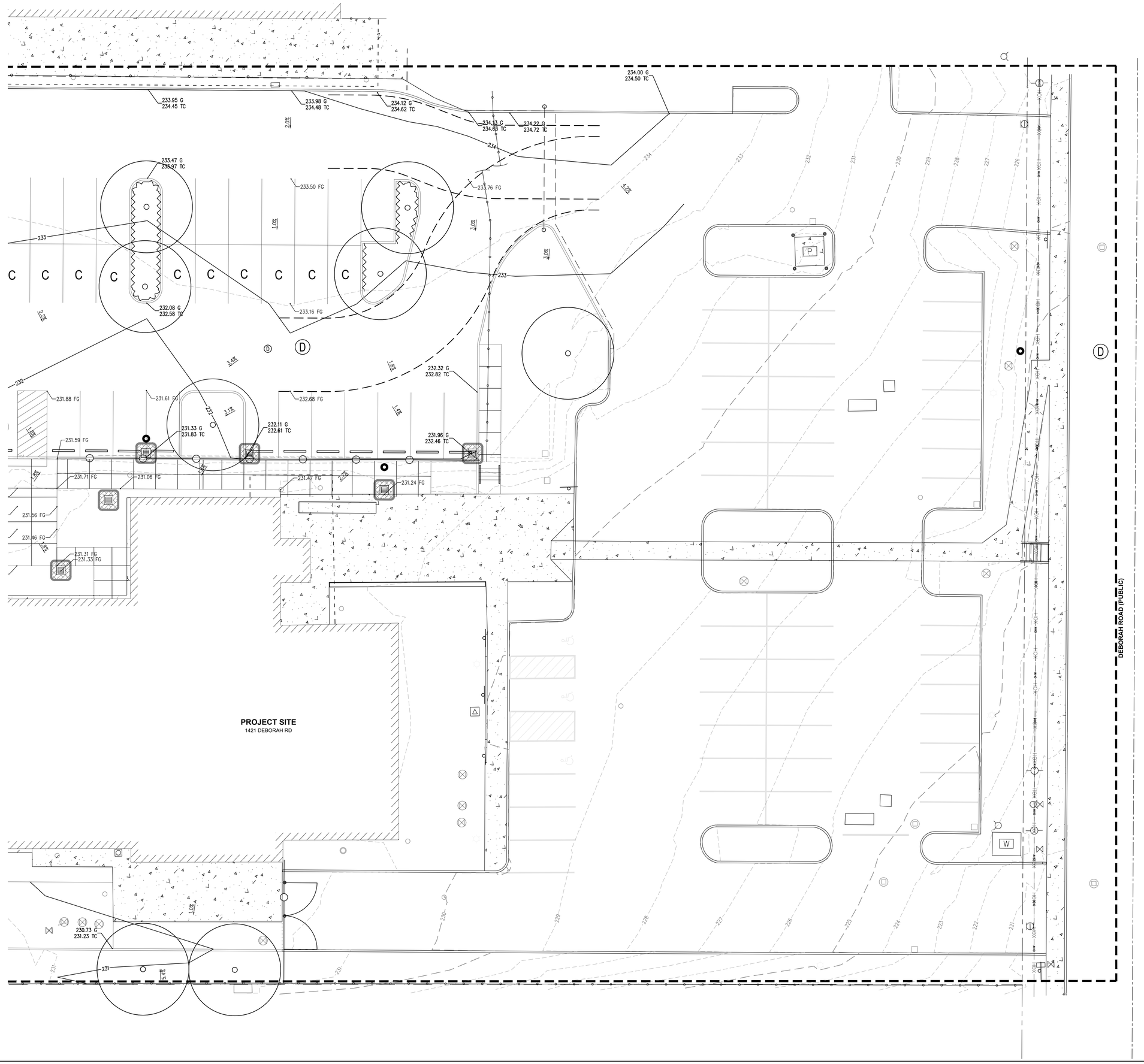
revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

GRADING PLAN - WEST

C2.00

8/30/2021 10:10:33 AM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



8/30/2021 10:10:33 AM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt

BR|IC
ARCHITECTURE, INC

NEWBERG
PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd. Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

REGISTERED PROFESSIONAL ENGINEER
OREGON
NOV. 12, 2009
STEVEN WELLS HANSEN
EXPIRES: 6/30/2023

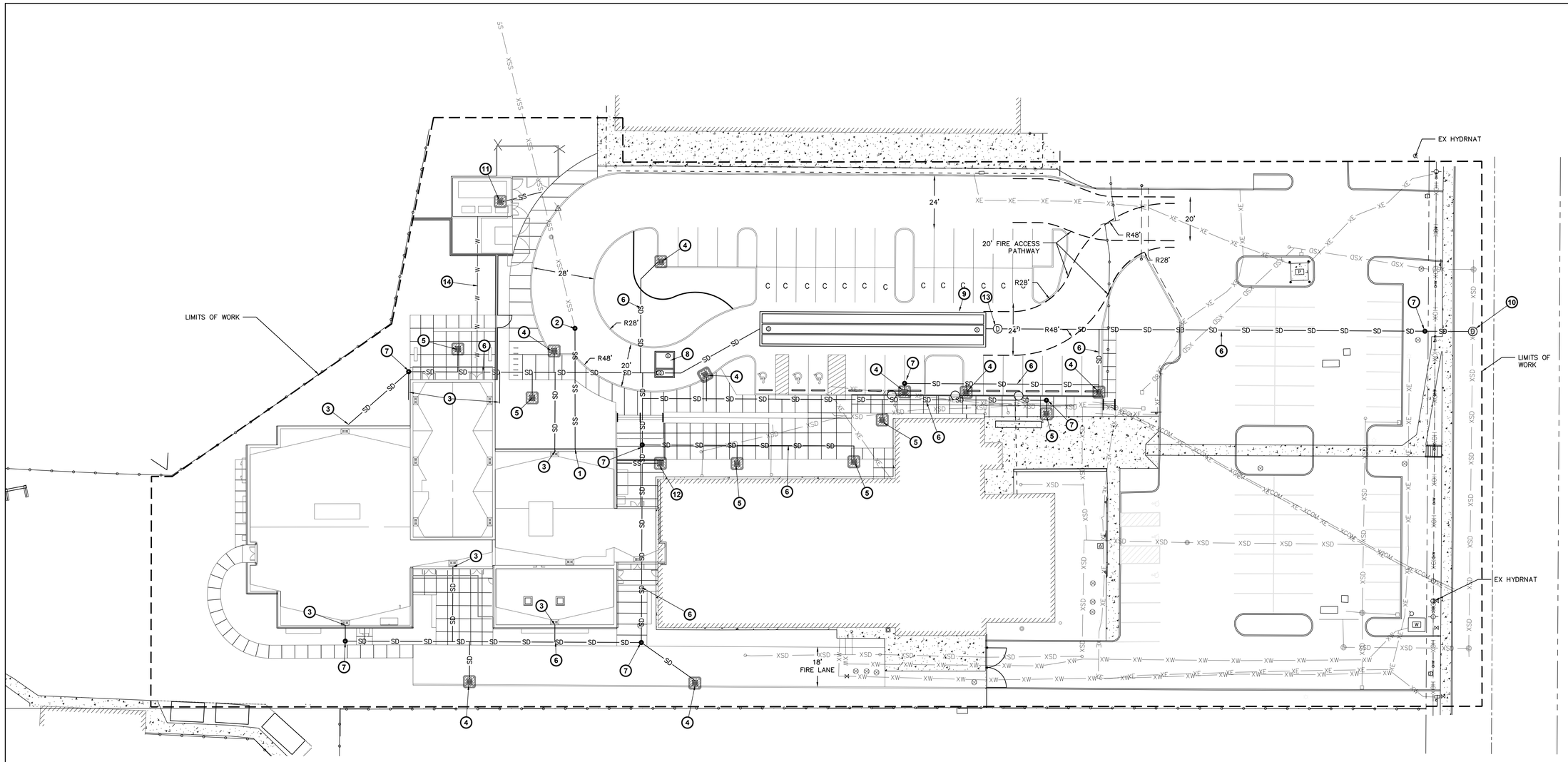
NOT FOR CONSTRUCTION

revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

GRADING PLAN - EAST

C2.01



CONSTRUCTION NOTES:

1. 6" SANITARY SEWER LATERAL CONNECTION
2. CONNECT TO EXISTING 6" SANITARY SEWER LINE WITH NEW CLEANOUT. S=2.0% (PRIVATE) SEE DETAIL ON SHEET C5.00
3. 6" PVC ROOF DRAIN CONNECTION POINT.
4. INSTALL 24" LYNCH STYLE CATCH BASIN AND DISCHARGE TO STORM SEWER. SEE DETAIL ON SHEET C5.00
5. INSTALL 12" LYNCH STYLE CATCH BASIN AND DISCHARGE TO STORM SEWER. SEE DETAIL ON SHEET C5.00
6. 6" PVC STORM SEWER, MIN S=1.0%
7. INSTALL SD CLEANOUT. SEE DETAIL ON SHEET C5.00
8. INSTALL CONTECH 8'X11' PEAK DIVERSION STORMFILTER WITH 18 CARTRIDGES. SEE DETAIL ON SHEET C5.00
9. INSTALL ADS STORMTECH SC-740 DETENTION SYSTEM UNDER EXISTING PARKING LOT. DETENTION SYSTEM TO CONSIST OF 3-ROWS OF 14 CHAMBERS, AND STONE AT 103.3'Lx15.75'Wx3.5'D. SEE DETAIL ON SHEET C5.01
10. CONNECT TO EXISTING SD MAN WITH NEW MANHOLE.
11. INSTALL JR SMITH 2315 FLOOR DRAIN WITH TRAP W/ 2" VENT AND 1/2" TRAP PRIMER AT TRASH ENCLOSURE AND CONNECT TO SANITARY SEWER LINE.
12. INSTALL JR SMITH 2315 FLOOR DRAIN WITH TRAP W/ 2" VENT AND 1/2" TRAP PRIMER. SEE PLUMING PLANS FOR CONTINUATION. SEE DETAIL ON SHEET C5.00
13. INSTALL FLOW CONTROL MANHOLE WITH ORIFICE PLATE PER CITY OF NEWBERG DETAILS 416A & 418. SEE DETAIL ON SHEET C5.00
14. WATER LINE EXTENSION FOR HOSE BIB IN TRASH ENCLOSURE. SEE PLUMBING PLANS FOR CONTINUATION

LEGEND

EXISTING

- RIGHT OF WAY (ROW) LINE
- CENTERLINE
- LOT LINE
- OVERHEAD LINE
- ELECTRICAL LINE
- GAS LINE
- SANITARY SEWER
- STORM LINE
- WATER LINE
- COMM LINE
- FENCE LINE
- CURB
- SIGN
- UTILITY/LIGHT POLE
- WATER METER
- FIRE HYDRANT
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- STORM INLET
- STORM SEWER MANHOLE

PROPOSED

- SANITARY SEWER LATERAL
- WATER LINE
- STORM LATERAL
- STANDARD CURB
- SIDEWALK
- SIGN
- STORM CLEANOUT
- STORM INLET
- SANITARY SEWER CLEANOUT

N

20' 0 10' 20' 40'

SCALE: 1" = 20'

BRIC ARCHITECTURE, INC

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

REGISTERED PROFESSIONAL ENGINEER OREGON MAY 12, 2009 EVEN WELLS HANSEN EXPIRES: 6/30/2022

NOT FOR CONSTRUCTION

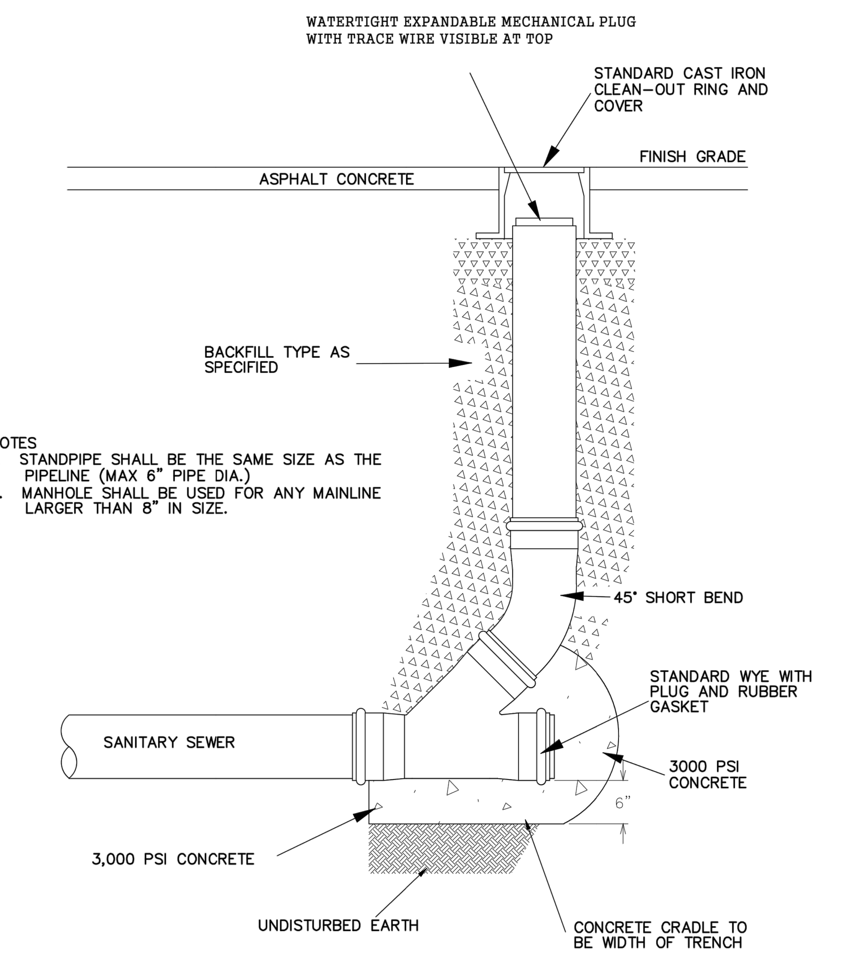
revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

SITE UTILITY PLAN

C3.00

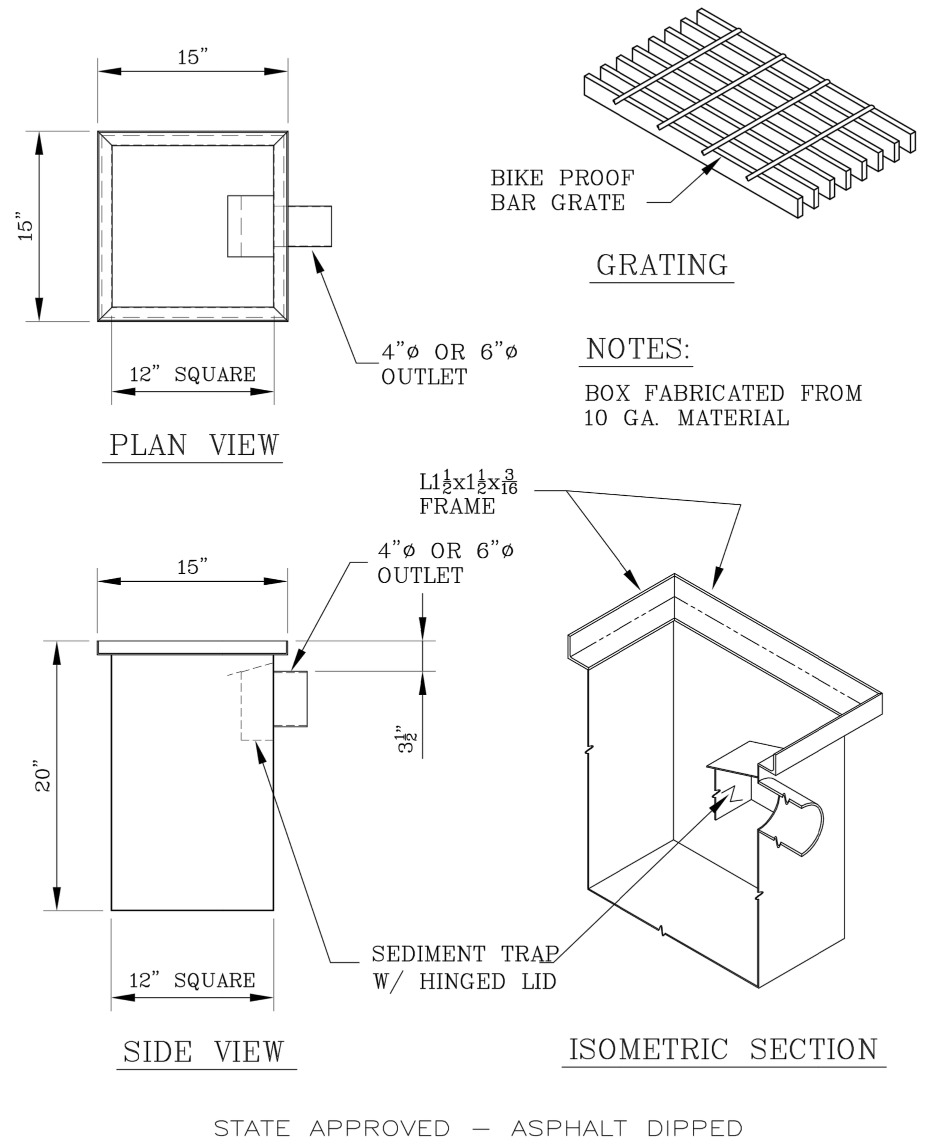
8/30/2021 10:10:33 AM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



NOTES
1. STANDPIPE SHALL BE THE SAME SIZE AS THE PIPELINE (MAX 6" PIPE DIA.)
2. MANHOLE SHALL BE USED FOR ANY MAINLINE LARGER THAN 8" IN SIZE.

City of Newberg
PUBLIC WORKS ENGINEERING DIVISION
414 E. FIRST STREET NEWBERG, OR 97132
PHONE: 503-537-1240
FAX: 503-537-1277

REVISIONS:			
05/04/2015 - ASM	CLEAN OUT	SCALE:	N.T.S
		DATE:	May 2015
		APPROVED BY:	K. Hofmann
		STANDARD DRAWING	210

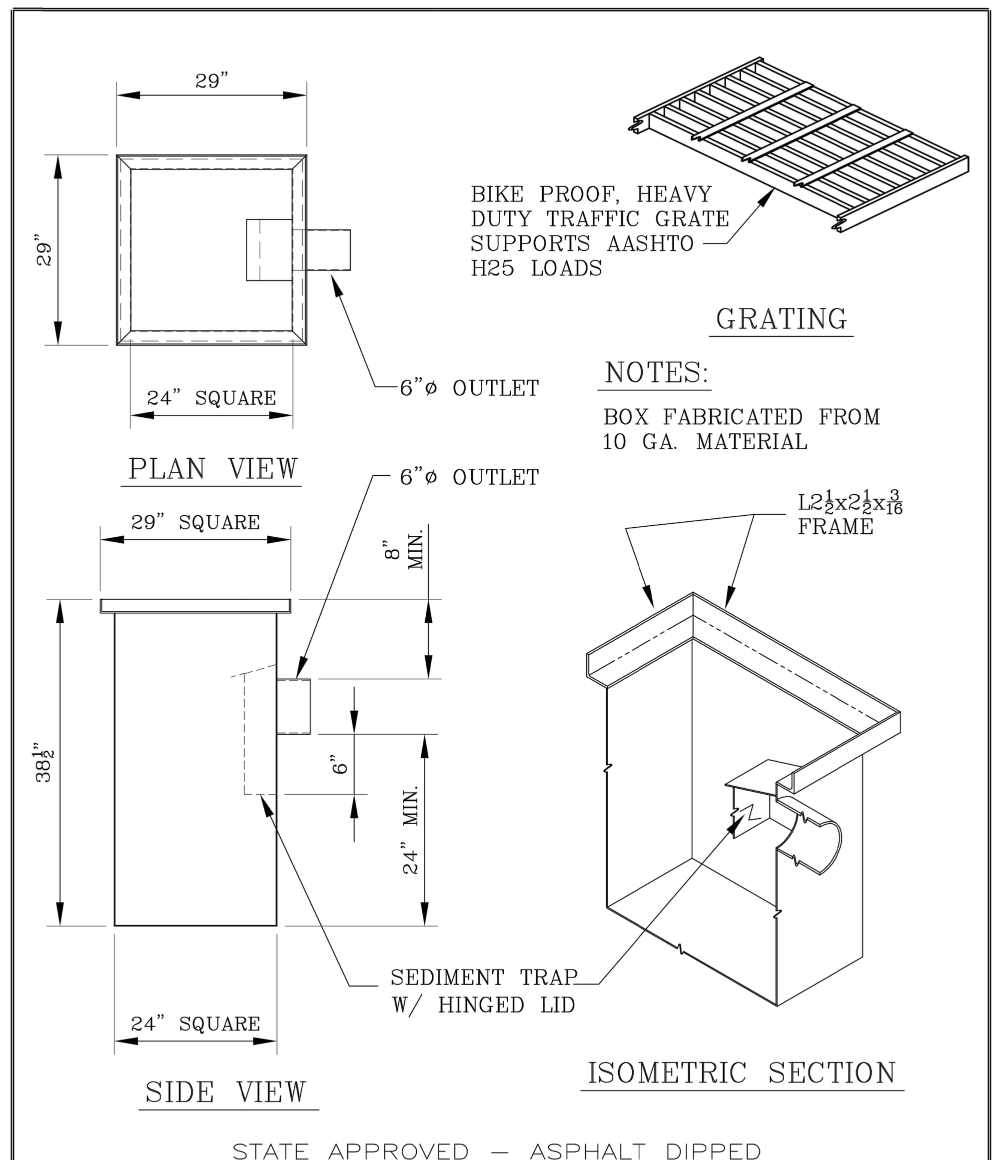


STATE APPROVED – ASPHALT DIPPED

GSB Gibson Steel Basins SINCE 1972

12" SQUARE – 4"ø OR 6"ø OUTLET		DWG #
LANDSCAPING MINI–BASIN		L4
PROJ. MAN. DOUG P.	DWN. PAUL G. SCALE NONE	
DATE: JAN. 23, 06	MODEL: GMCB10–1220HB–4&6	

247 Washington St. Eugene, Or. 97401 ph:(541) 687 – 8672 fax:344–0207



STATE APPROVED – ASPHALT DIPPED

GSB Gibson Steel Basins SINCE 1972

24" SQUARE – 6"ø OUTLET		DWG #
STORM WATER CATCH BASIN		S3
PROJ. MAN. DOUG P.	DWN. PAUL G. SCALE NONE	
DATE: JAN. 23, 06	MODEL: GCB10–36HB–6	

247 Washington St. Eugene, Or. 97401 ph:(541) 687 – 8672 fax:344–0207

SMITH® JAY R. SMITH MFG. CO.®
MEMBER OF MORRIS GROUP INTERNATIONAL
POST OFFICE BOX 3237
MONTGOMERY, ALABAMA 36109-0237 (USA)
TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com
CUSTOMER DRIVEN SINCE 1926
MEMBER OF:

LOCATION

FLOOR DRAINS

MEDIUM DUTY DRAINS WITH 8 1/2" ROUND ADJUSTABLE TOPS

FUNCTION: Used in moderate traffic areas in any type of floor construction. Adjustable top collar permits accurate positioning of grate to meet finished floor level.

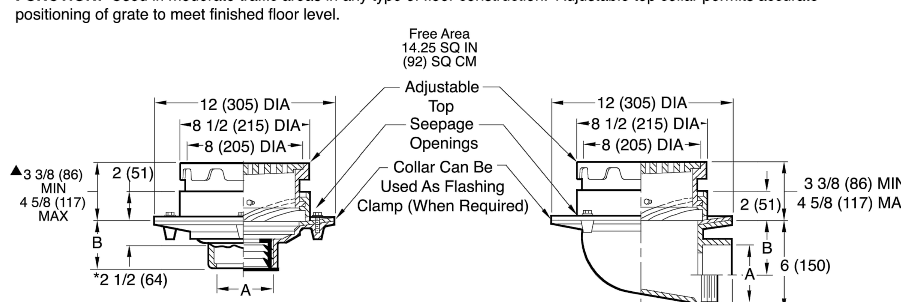


Fig. 2310C . . . CAULK OUTLET
Fig. 2310Y . . . NO-HUB OUTLET

A SIZE	02 (50)	03 (80)	04 (100)	06 (150)
B	3 3/4 (95) for Caulk, NO-HUB, and Speedi-Set, 2 (51) for Threaded			3 3/4 (95) NO-HUB Only

*This Dimension to Internal Stop of Speedi-Set Gasket.
▲ add 3/16" (5) when bronze top is specified

Fig. 2315C . . . CAULK OUTLET
☒ Fig. 2315T . . . THREADED OUTLET

A SIZE	02 (50)	03 (80)	04 (100)
B	4 1/4 (110)	3 3/4 (95)	3 1/4 (83)

REGULARLY FURNISHED:
Duco Cast Iron Body and Flashing Collar with Adjustable Top and Bar Grate.

*Not available on Fig. 2310T threaded outlet drain

VARIATIONS:
- ☐ Closure Plug -XP (Fig. 2310 only)
- ☐ Dome Grate -D
- ☐ Extensions (Specify Height) -E
- ☐ Flat Bottom Strainer -FBS (Fig. 2310 only)
- ☐ Hinged Grate -H
- ☐ L Speedi-Set Service Weight (Fig. 2310 only)
- ☐ LXH Speedi-Set Extra Heavy (Fig. 2310 only)
- ☐ NO-HUB Adaptor (Specify Fig. 2646Y) (Fig. 2315 only)
- ☐ Square Top -S
- * ☒ Trap Primer Connection -P050 1/2"(13) & -P075 3/4"(19)
- ☐ Vandal Proof Grate -U
- ☒ T Threaded Outlet
- ☐ Quad Close Trap Seal (Specify Fig. 2692) (Fig. 2310 Only)

OPTIONAL MATERIALS:
- ☐ Ductile Iron Grate -M
- ☐ Galvanized Cast Iron -G
- ☐ Nickel Bronze Top -NB
- ☐ Polished Bronze Top -PB
- ☐ Stainless Steel (Specify Fig. 9725)

NOTE: Dimensions shown in parentheses are in millimeters.

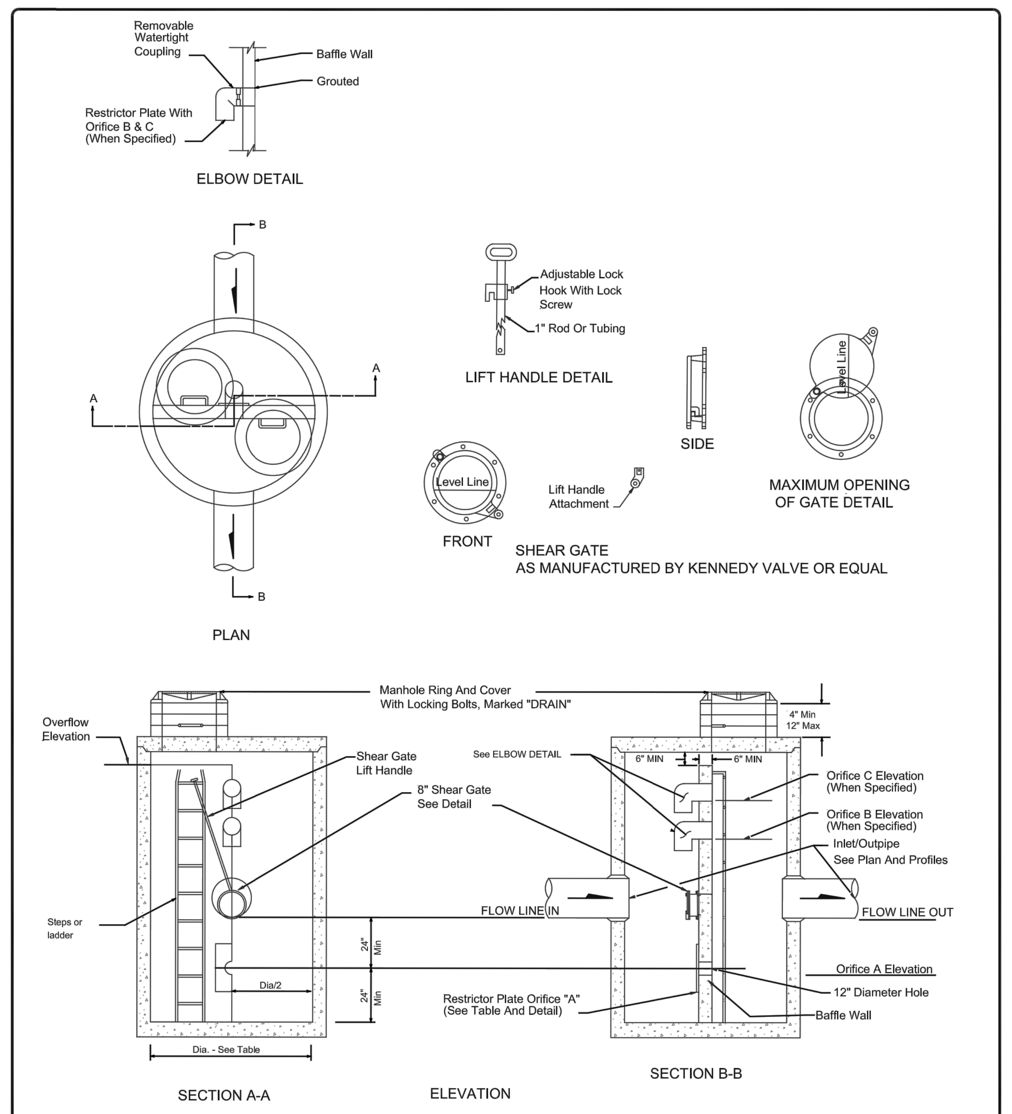
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

F	DRAWING NUMBER S2310	SIZE A	SCALE: NONE	DATE: 5-17-85	APPROVED BY: TD	CHECKED BY: TD	DRAWN BY: PJ	FIGURE NUMBER 2310, 2315

REV.	DATE	DESCRIPTION	BY	CKD. BY
F	6-18-15	Revised Variations	TBW	CL
E	11/17/05	Revised 2310 A-Size Table	JJ	CL
D	12-11-97	Revised Var & added note	EMB	DG

WEIGHT POUNDS | VOLUME CUBIC FEET | FIGURE NUMBER **2310, 2315**

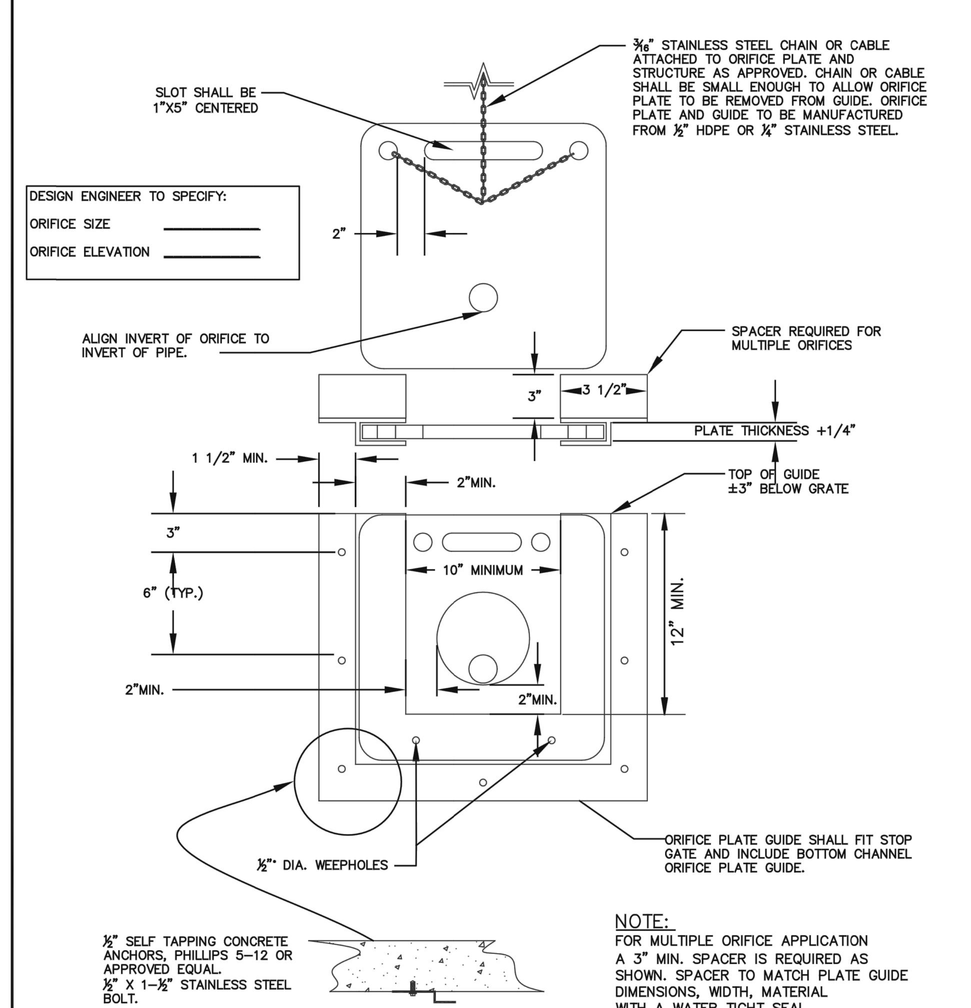
⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov ⚠ **ADVERTENCIA**: Cáncer y daño reproductivo - www.P65Warnings.ca.gov



FLOW CONTROL STRUCTURE DETAIL
NTS

City of Newberg
PUBLIC WORKS ENGINEERING DIVISION
414 E. FIRST STREET NEWBERG, OR 97132
PHONE: 503-537-1240
FAX: 503-537-1277

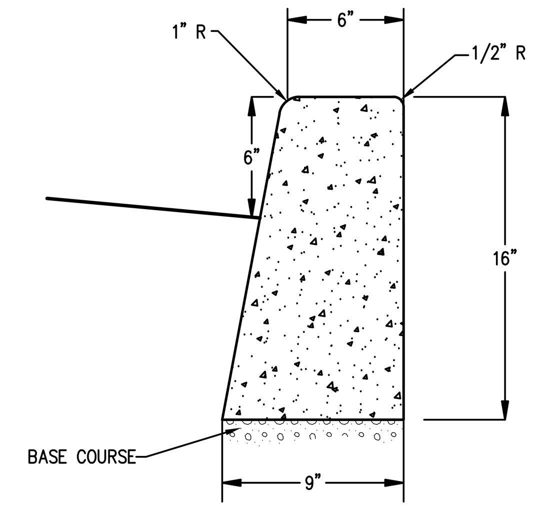
REVISIONS:			
	FLOW CONTROL STRUCTURE	SCALE:	N.T.S.
		DATE:	MARCH 2014
		APPROVED BY:	JAY H.
		STANDARD DRAWING	416A



NOTE:
FOR MULTIPLE ORIFICE APPLICATION A 3" MIN. SPACER IS REQUIRED AS SHOWN. SPACER TO MATCH PLATE GUIDE DIMENSIONS, WIDTH, MATERIAL WITH A WATER TIGHT SEAL.

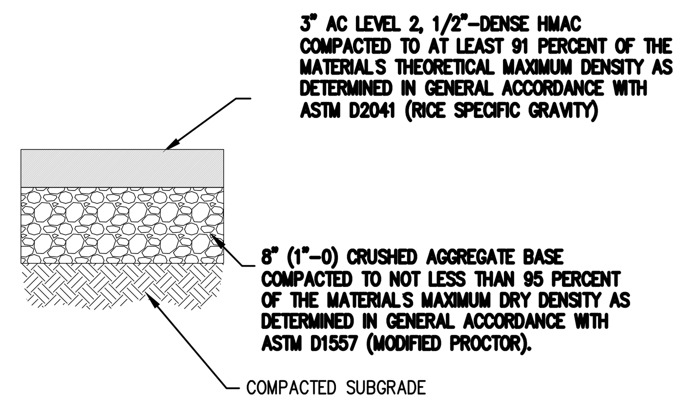
City of Newberg
PUBLIC WORKS ENGINEERING DIVISION
414 E. FIRST STREET NEWBERG, OR 97132
PHONE: 503-537-1240
FAX: 503-537-1277

REVISIONS:			
	ORIFACE PLATE AND GUIDE	SCALE:	N.T.S.
		DATE:	MARCH 2014
		APPROVED BY:	JAY H.
		STANDARD DRAWING	418



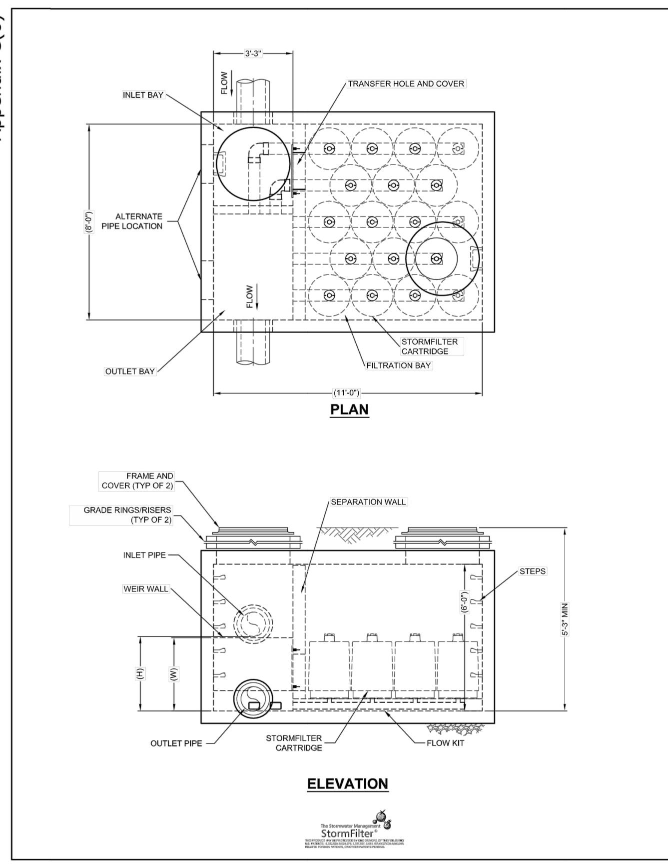
1. CONCRETE TO HAVE A BREAKING STRENGTH OF 3000 P.S.I. AFTER 28 DAYS.
2. EXPANSION JOINTS.
   A. TO BE PROVIDED:
      1) AT EACH POINT OF TANGENCY OF THE CURB.
      2) AT EACH END COLD JOINT.
      3) AT EACH SIDE OF INLET STRUCTURES.
      4) AT EACH END OF DRIVEWAYS.
      5) AT LOCATIONS NECESSARY TO LIMIT SPACING TO 45 FEET.
   B. MATERIAL TO BE PRE–MOLDED, ASPHALT IMPREGNATED, NON EXTRUDING, WITH A THICKNESS OF 1/2 INCH.
3. CONTRACTION JOINTS.
   A. SPACING TO BE NOT MORE THAN 15 FEET.
   B. THE DEPTH OF THE JOINT SHALL BE AT LEAST 1–1/2 INCHES.
4. BASE ROCK TO BE 2"–0" OR 3/4"–0" 95 % COMPACTION. BASE ROCK SHALL BE TO SUBGRADE OF STREET STRUCTURE, OR 4" IN DEPTH, WHICHEVER IS GREATER.

CONCRETE CURB
SCALE: NTS



PARKING LOT PAVEMENT SECTION
NTS
NOTE: REFER TO GEOTECHNICAL REPORT FOR MORE INFORMATION. CONTRACTOR TO COORDINATE WITH GEOTECHNICAL ENGINEER TO DETERMINE ACCEPTABLE COMPACTION.

Appendix C(6)

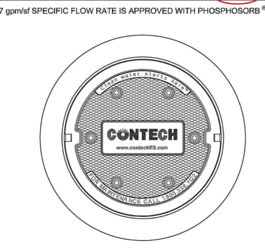


STORMFILTER DESIGN NOTES
- THE 8' x 11' PEAK DIVERSION STORMFILTER TREATMENT CAPACITY VARIES BY CARTRIDGE COUNT AND LOCALLY APPROVED SURFACE AREA SPECIFIC FLOW RATE. PEAK CONVEYANCE CAPACITY TO BE DETERMINED BY ENGINEER OF RECORD.
- THE PEAK DIVERSION STORMFILTER IS AVAILABLE IN A LEFT INLET (AS SHOWN) OR RIGHT INLET CONFIGURATION.
- ALL PARTS AND INTERNAL ASSEMBLY PROVIDED BY CONTECH UNLESS OTHERWISE NOTED.

CARTRIDGE SELECTION

CARTRIDGE HEIGHT	27"			18"			LOW DROP		
RECOMMENDED HYDRAULIC DROP (H)	3.05'			2.3'			1.8'		
HEIGHT OF WEIR (W)	3.00'			2.25'			1.75'		
SPECIFIC FLOW RATE (gpm/sf)	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf
CARTRIDGE FLOW RATE (gpm)	22.5	18.79	11.25	15	12.53	7.5	10	8.35	5

* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	*
WATER QUALITY FLOW RATE (cfs)	*
PEAK FLOW RATE (cfs)	*
RETURN PERIOD OF PEAK FLOW (yrs)	*
CARTRIDGE HEIGHT (27", 18", LOW DROP(LD))	*
NUMBER OF CARTRIDGES REQUIRED	*
CARTRIDGE FLOW RATE	*
MEDIA TYPE (PERLITE, ZPG, PSORB)	*

PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE	*	*	*
OUTLET PIPE	*	*	*

UPSTREAM RIM ELEVATION	*
DOWNSTREAM RIM ELEVATION	*

ANTI-FLOTATION BALLAST	WIDTH	HEIGHT
	*	*

NOTES/SPECIAL REQUIREMENTS:

* PER ENGINEER OF RECORD

PERFORMANCE SPECIFICATION
FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. **RADIAL MEDIA DEPTH SHALL BE 7-INCHES**. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST **38 SECONDS**. SPECIFIC FLOW RATE SHALL BE **2 GPM/SF (MAXIMUM)**. SPECIFIC FLOW RATE IS THE MEASURE OF THE FLOW (GPM) DIVIDED BY THE MEDIA SURFACE CONTACT AREA (SF). MEDIA VOLUMETRIC FLOW RATE SHALL BE **6 GPM/CF OF MEDIA (MAXIMUM)**.

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH REPRESENTATIVE. www.contechES.com
4. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
5. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
F. CONTRACTOR TO REMOVE THE TRANSFER HOLE COVER WHEN THE SYSTEM IS BROUGHT ONLINE.

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

THE STORMWATER MANAGEMENT STORMFILTER
8' x 11' PEAK DIVERSION STORMFILTER
STANDARD DETAIL

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

REGISTERED PROFESSIONAL ENGINEER 82913PE OREGON MAY 12 2009 STEVEN WELLS HANSEN EXPIRES: 6/30/2023

NOT FOR CONSTRUCTION

revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

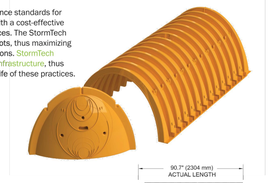
DETAILS

C5.00

8/30/2021 10:10:33 AM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt

STORMTECH SC-740 CHAMBER

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.



STORMTECH SC-740 CHAMBER
(not to scale)

Nominal Chamber Specifications

Size (L x W x H)
85.4" x 51" x 30"
2,170 mm x 1,295 mm x 762 mm

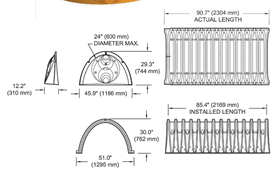
Chamber Storage
45.9 ft³ (1.30 m³)

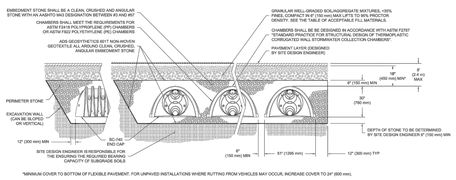
Min. Installed Storage*
74.9 ft³ (2.12 m³)

Weight
74.0 lbs (33.6 kg)

Shipping
30 chambers/pallet
60 end caps/pallet
12 pallets/truck

*Assumes 6" (150 mm) stone above, below and between chambers and 40% stone porosity.





*MINIMUM COVER TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 24" (600 mm).

SC-740 CUMULATIVE STORAGE VOLUMES PER CHAMBER

Assumes 40% Stone Porosity. Calculations are Based Upon a 6" (150 mm) Stone Base Under Chambers.

Depth of Water in System Inches (mm)		Cumulative Chamber Storage ft³ (m³)	Total System Cumulative Storage ft³ (m³)
42 (1067)	↑	45.90 (1.300)	74.90 (2.121)
41 (1041)		45.90 (1.300)	73.77 (2.089)
40 (1016)	Stone	45.90 (1.300)	72.64 (2.057)
39 (991)	Cover	45.90 (1.300)	71.52 (2.025)
38 (965)	↓	45.90 (1.300)	70.39 (1.993)
37 (940)	↑	45.90 (1.300)	69.26 (1.961)
36 (914)		45.90 (1.300)	68.14 (1.929)
35 (889)		45.85 (1.298)	66.98 (1.897)
34 (864)		45.69 (1.294)	65.75 (1.862)
33 (838)		45.41 (1.286)	64.46 (1.825)
32 (813)		44.81 (1.269)	62.97 (1.783)
31 (787)		44.01 (1.246)	61.36 (1.737)
30 (762)		43.06 (1.219)	59.66 (1.689)
29 (737)		41.96 (1.188)	57.89 (1.639)
28 (711)		40.80 (1.155)	56.05 (1.587)
27 (686)		39.54 (1.120)	54.17 (1.534)
26 (660)		38.18 (1.081)	52.23 (1.479)
25 (635)		36.74 (1.040)	50.23 (1.422)
24 (610)		35.22 (0.977)	48.19 (1.365)
23 (584)		33.64 (0.953)	46.11 (1.306)
22 (559)		31.99 (0.906)	44.00 (1.246)
21 (533)		30.29 (0.858)	1.85 (1.185)
20 (508)		28.54 (0.808)	39.67 (1.123)
19 (483)		26.74 (0.757)	37.47 (1.061)
18 (457)		24.89 (0.705)	35.23 (0.997)
17 (432)		23.00 (0.651)	32.96 (0.939)
16 (406)		21.06 (0.596)	30.68 (0.869)
15 (381)		19.09 (0.541)	28.38 (0.803)
14 (356)		17.08 (0.484)	26.03 (0.737)
13 (330)		15.04 (0.426)	23.68 (0.670)
12 (305)		12.97 (0.367)	21.31 (0.608)
11 (279)		10.87 (0.309)	18.92 (0.535)
10 (254)		8.74 (0.247)	16.51 (0.468)
9 (229)		6.58 (0.186)	14.09 (0.399)
8 (203)		4.41 (0.125)	11.66 (0.330)
7 (178)		2.21 (0.063)	9.21 (0.264)
6 (152)	↓	0 (0)	6.76 (0.191)
5 (127)	↑	0 (0)	5.63 (0.160)
4 (102)	Stone	0 (0)	4.51 (0.128)
3 (76)	Foundation	0 (0)	3.38 (0.096)
2 (51)		0 (0)	2.25 (0.064)
1 (25)	↓	0 (0)	1.13 (0.032)

Note: Add 1.13 ft³ (0.032 m³) of storage for each additional inch (25 mm) of stone foundation.

STORAGE VOLUME PER CHAMBER FT³ (M³)

	Bare Chamber Storage ft³ (m³)	Chamber and Stone Foundation Depth in. (mm)		
		6 (150)	12 (300)	18 (450)
SC-740 Chamber	45.9 (1.3)	74.9 (2.1)	81.7 (2.3)	88.4 (2.5)

Note: Assumes 6" (150 mm) stone above chambers, 6" (150 mm) row spacing and 40% stone porosity.

AMOUNT OF STONE PER CHAMBER

ENGLISH TONS (yds³)	Stone Foundation Depth		
	6"	12"	16"
SC-740	3.8 (2.8)	4.6 (3.3)	5.5 (3.9)
METRIC KILOGRAMS (m³)	150 mm	300 mm	450 mm
SC-740	3,450 (2.1)	4,170 (2.5)	4,490 (3.0)

Note: Assumes 6" (150 mm) of stone above and between chambers.

VOLUME EXCAVATION PER CHAMBER YD³ (M³)

	Stone Foundation Depth		
	6 (150)	12 (300)	18 (450)
SC-740	5.5 (4.2)	6.2 (4.7)	6.8 (5.2)

Note: Assumes 6" (150 mm) of row separation and 18" (450 mm) of cover. The volume of excavation will vary as depth of cover increases.

Working on a project?
Visit us at www.stormtech.com
and utilize the StormTech Design Tool

For more information on the StormTech SC-740 Chamber and other ADS products, please contact our Customer Service Representatives at 1-800-821-6710

THE MOST ADVANCED NAME IN WATER MANAGEMENT SOLUTIONS™

Advanced Drainage Systems, Inc.
4640 Trueman Blvd., Hilliard, OH 43026
1-800-821-6710 www.ads-pipe.com

ADS "Terms and Conditions of Sale" are available on the ADS website, www.ads-pipe.com.
"ADS", "ADS" Logo and "Advanced Drainage Systems" are trademarks of Advanced Drainage Systems, Inc.
StormTech® is a registered trademark of StormTech, Inc.
© 2017 Advanced Drainage Systems, Inc. # 516 090508 09/17 CS

BR|IC ARCHITECTURE, INC

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION
1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER
OREGON
NOV 12 2008
STEVEN WELLS HANSEN
EXPIRES: 6/30/2023

revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

DETAILS

C5.01

8/30/2021 10:10:33 AM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt

LEGEND

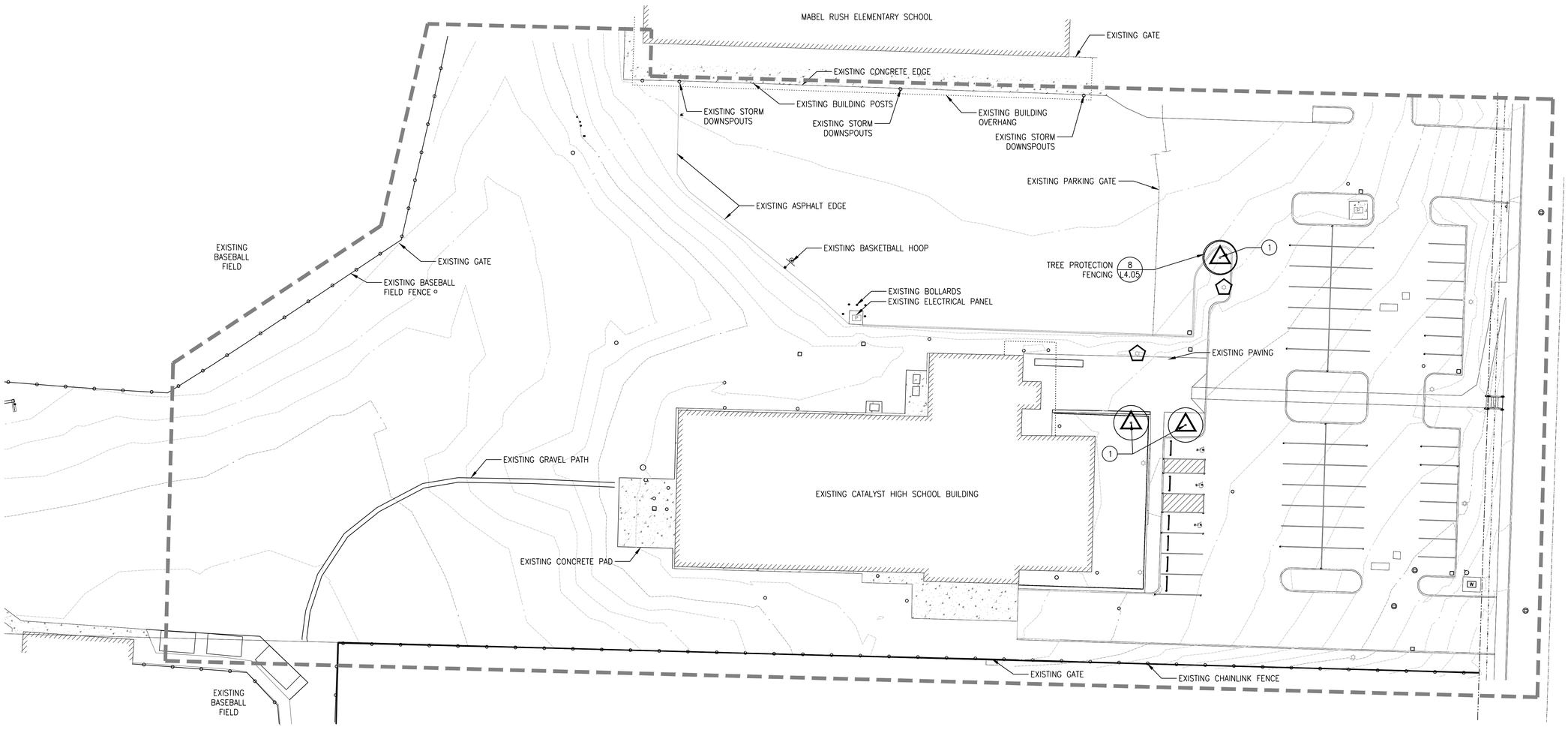
- TREE PROTECTION FENCE
- PROTECT EXISTING TREE TO REMAIN
- EXISTING LIGHT POLE TO REMAIN

GENERAL NOTES

1. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN THE PLANS AND THE EXISTING CONDITIONS BEFORE STARTING WORK.
2. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE TEMPORARY TREE AND PLANT PROTECTION SPECIFICATIONS FOR THE PROJECT.

KEY NOTES

(1) LOCATION AND SIZE OF TREES SHOWN IN THIS PLAN SHALL BE VERIFY. SURVEY DOESN'T SHOWN ANY INFORMATION OF THEM.



1 TREE PROTECTION PLAN
SC=1:20

PLAN

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

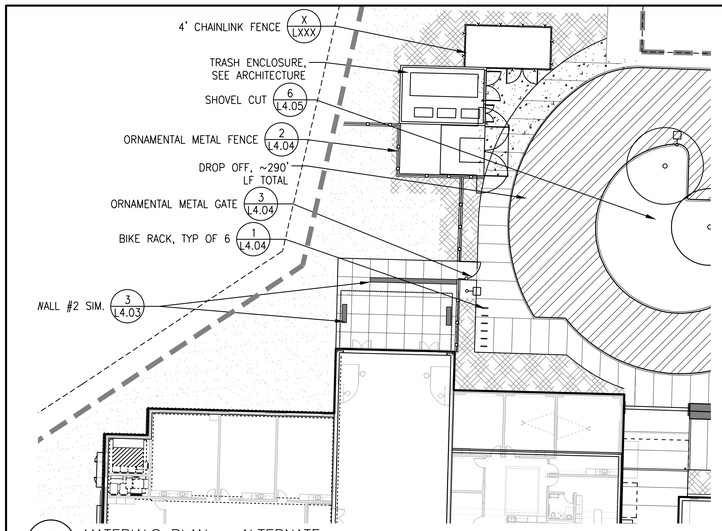
WALKER|MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

phase	LAND USE
date	10/18/2021
project	21006

TREE PROTECTION PLAN

L 0.01

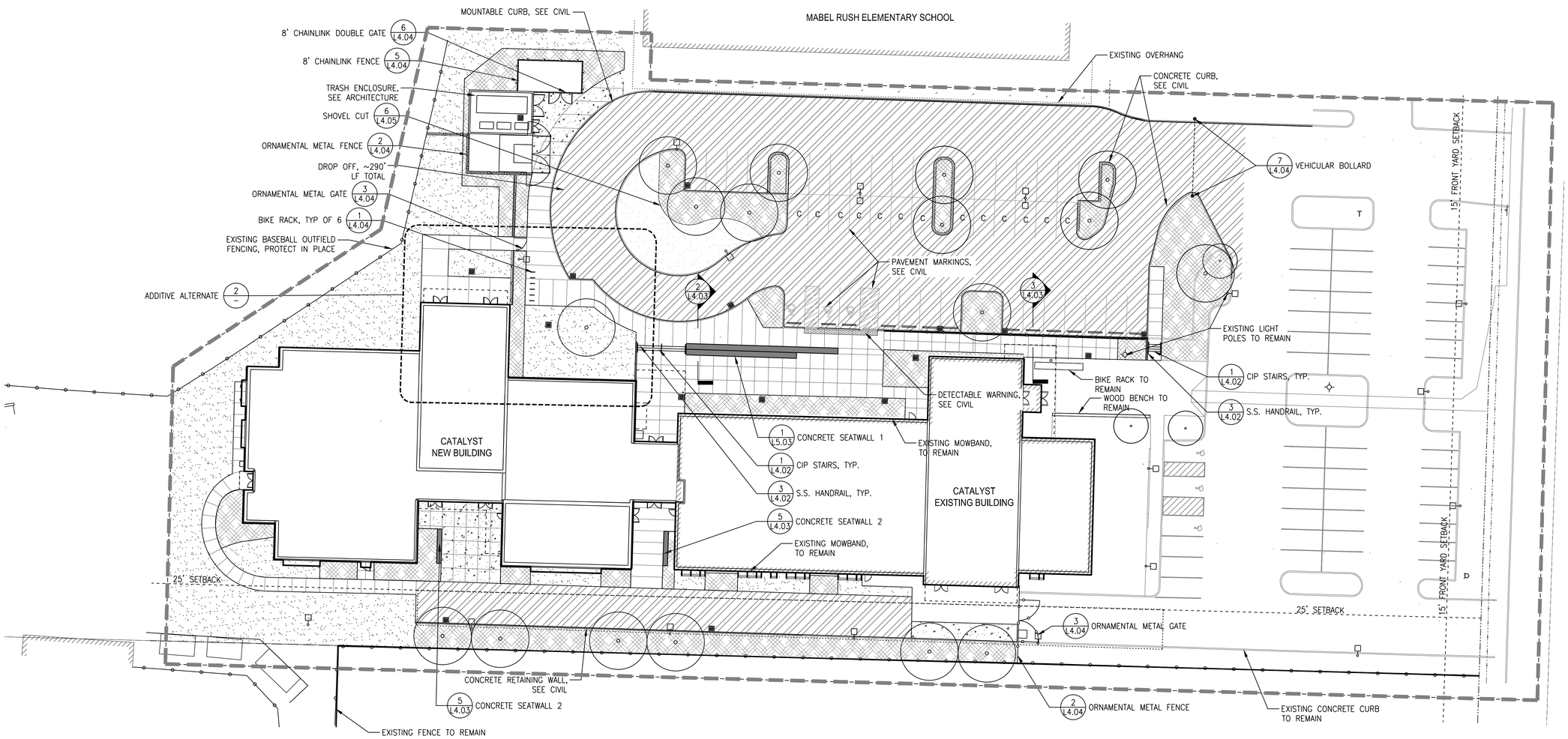


2 MATERIALS PLAN – ALTERNATE
SC=1:20

PLAN

LEGEND

- PROJECT BOUNDARY
- 1/L5.01 CONCRETE PAVING – PEDESTRIAN
- 2/L5.02 CONCRETE PAVING – VEHICULAR – SEE CIVIL
- 3/L5.01 ASPHALT PAVING – VEHICULAR – SEE CIVIL
- LAWN AREA – SEE PLANTING
- PLANTING AREA – SEE PLANTING
- DETECTABLE WARNING – SEE CIVIL
- 7/L5.05 ROOT BARRIER
- SITE LIGHT FIXTURES – SEE ELECTRICAL



1 MATERIALS PLAN – BASE BID
SC=1:20

PLAN

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

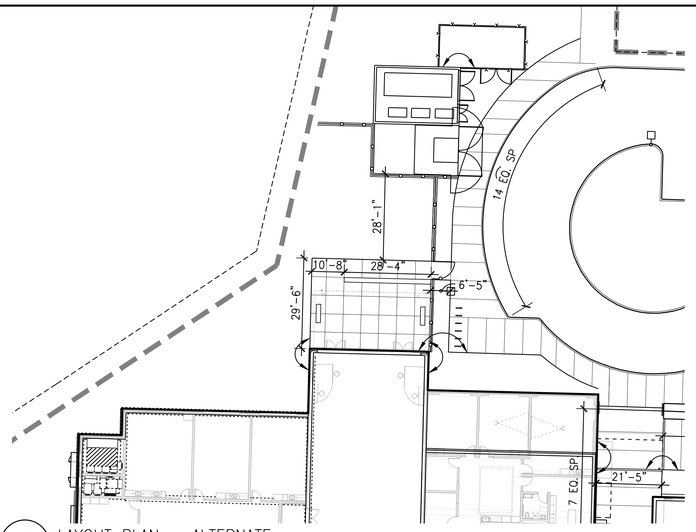
WALKER|MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

phase	LAND USE
date	10/18/2021
project	21006

MATERIALS PLAN

L1.01

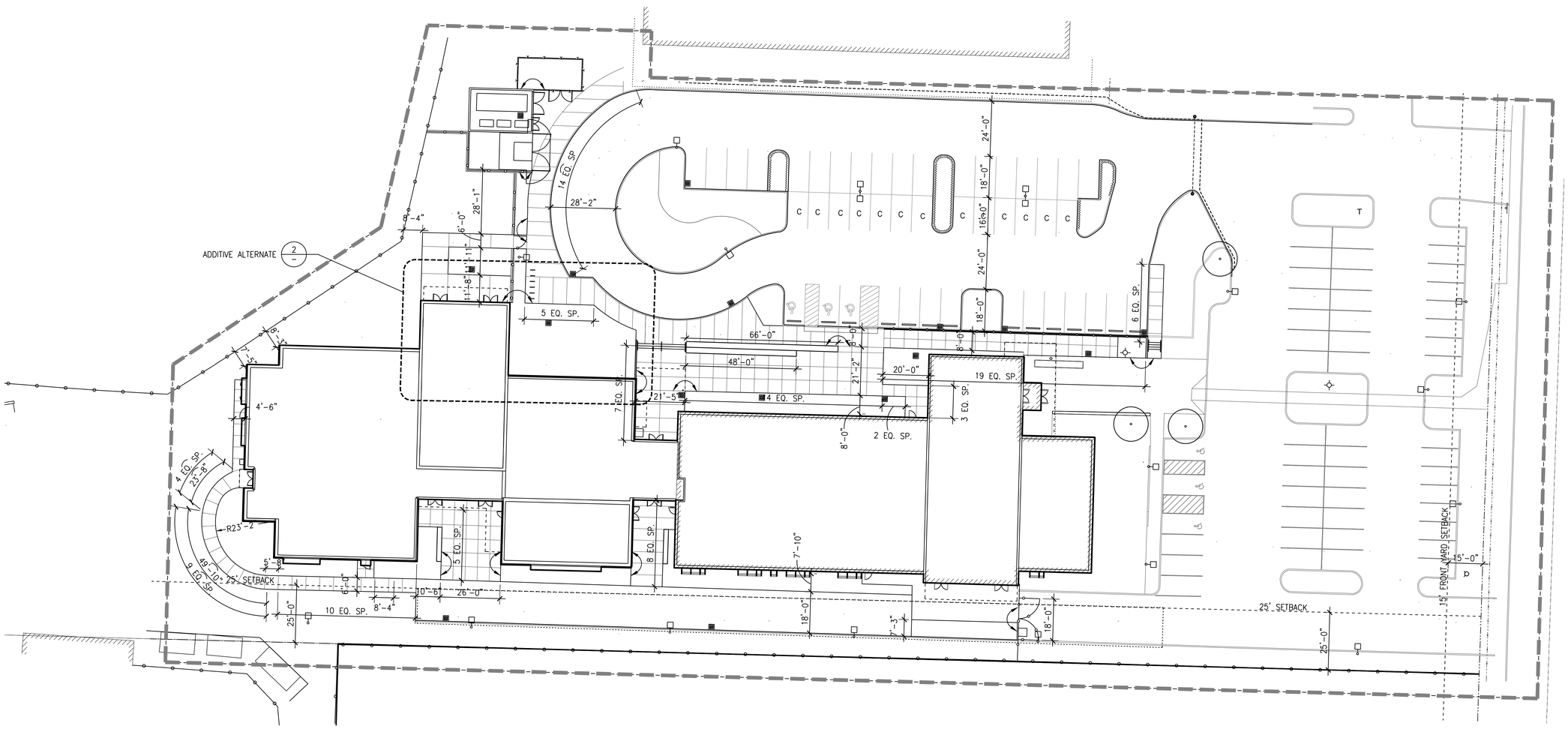


2 LAYOUT PLAN – ALTERNATE
SC=1:20

PLAN

LAYOUT NOTES

1. SITE SURVEY WAS PREPARED BY IRONMARK SURVEYING AND ENGINEERING ON 9/20/2021. ALL COORDINATES SHOWN ON THE DRAWINGS ARE BASED UPON THE COORDINATE SYSTEM ESTABLISHED BY THE SURVERYOR. WALKER MACY ASSUMES NO RESPONSIBILITY FOR ACCURACY OF SURVEYED CONDITIONS AS SHOWN. SURVEY INFORMATION IS PROVIDED FOR REFERENCE ONLY.
2. DO NOT SCALE FROM THE DRAWINGS. THE LOCATION OF FEATURES NOT SPECIFICALLY DIMENSIONED MAY NOT BE DETERMINED BY SCALE. IF CONFLICTS ARISE IN THE FIELD, CONTACT OWNER'S REPRESENTATIVE FOR RESOLUTION.
3. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDINGS AND WALLS OR BACK OF CURBS, UNLESS OTHERWISE NOTED.
4. ALL CURVED OBJECTS SHALL HAVE SMOOTH, CONTINUOUS CURVES WITH CONSISTENT RADII AS INDICATED. EACH CURVE SHALL MEET ADJACENT CURVES OR LINEAR SECTIONS ON THE TANGENT, UNLESS NOTED OTHERWISE.



1 LAYOUT PLAN – BASE BID
SC=1:20

PLAN

BR|IC
ARCHITECTURE, INC.

NEWBERG
PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

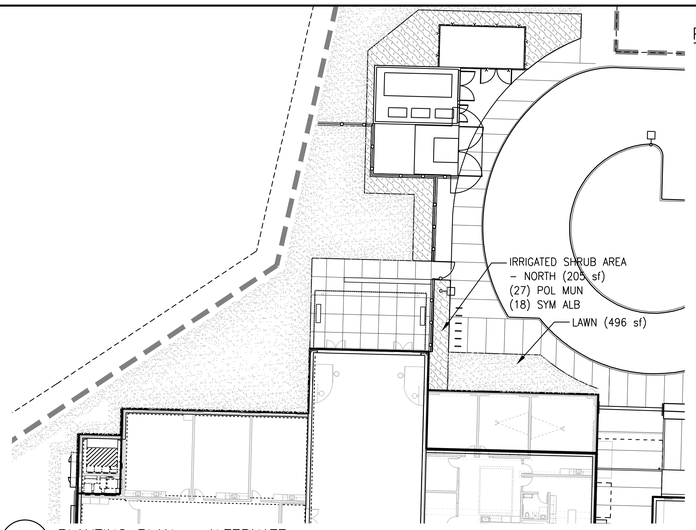
WALKER | MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

phase	LAND USE
date	10/18/2021
project	21006

LAYOUT PLAN

L 2.01



2 PLANTING PLAN – ALTERNATE
SC=1:20
PLAN

PLANTING NOTES

1. CONTRACTOR TO VERIFY LOCATION OF EXISTING TREES INDICATED TO REMAIN PRIOR TO SOIL PREPARATION. PROTECT ALL TREES AND SHRUBS INDICATED TO REMAIN. COORDINATE WITH THE OWNER'S REPRESENTATIVE.

2. PLANTING AREAS TO BE SUFFICIENTLY CLEANED OF ALL CONSTRUCTION MATERIALS, INCLUDING IMPORTED ROCK, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE BEFORE BEGINNING ANY LANDSCAPE WORK.

3. IDENTIFY ALL PLANTING AREAS IN FIELD WITH WHITE FIELD-MARKING CHALK OR APPROVED EQUAL. PLANTING BEDS TO BE ADJUSTED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLANT LOCATION.

4. FOR PLANTING OCCURRING IN MASSES OF SAME SPECIES PLANT, LABELING REFERS TO ALL ADJACENT IDENTICAL SYMBOLS. REFER TO DETAILS AND LEGEND FOR SPACING INFORMATION.

5. THE OWNER'S REPRESENTATIVE WILL APPROVE INDIVIDUAL PLANT MATERIAL AND LOCATION OF PLANT MATERIAL PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR PROCEDURE.

6. SHRUBS AND GROUNDCOVER TO BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGES; UNLESS OTHERWISE NOTED.

7. PROVIDE ROOT BARRIER AROUND ALL TREES WITHIN 5' OF PAVING, CURBS, WALLS, BUILDINGS, UTILITY DUCTS AND OTHER APPURTENANCES.

8. PLANT QUANTITIES INDICATED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANTS IN QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS.

9. PROVIDE JUTE NETTING ON ALL SLOPES WITH GRADIENT OF 3:1 OR GREATER AS DIRECTED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. STAPLE FABRIC TO GROUND WITH METAL STAKES AT 4' O.C.

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
	ACE ARM	15	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	2" CAL.	AS SHOWN	HEIGHT 40' TO 60' WIDE 20' TO 25'
	CER JAP	2	CERCIDIPHYLLUM JAPONICUM	KATSURA TREE	2" CAL.	AS SHOWN	HEIGHT 30' TO 50' WIDE 25' TO 35'

SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	
	LON PIL	6,313 SF 821	IRRIGATED SHRUB AREA – PARKING LONICERA PILEATA	PRIVET HONEYSUCKLE	2 GAL.	50% @ 24" o.c.	HEIGHT 1' TO 2' WIDE 4' TO 6'
	MAH REP	821	MAHONIA REPENS	CREEPING MAHONIA	2 GAL.	50% @ 24" o.c.	HEIGHT 1' TO 2' WIDE 1' TO 2.5'
	POL MUN	3,915 SF 509	IRRIGATED SHRUB AREA – NORTH POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL.	50% @ 24" o.c.	HEIGHT 2' TO 5' WIDE 2' TO 3'
	SYM ALB	326	SYMPHORICARPOS ALBUS	COMMON WHITE SNOWBERRY	2 GAL.	50% @ 30" o.c.	HEITH 3' TO 6' WIDE 3' TO 6'
	MAH NER	1,325 SF 173	IRRIGATED SHRUB AREA SOUTH MAHONIA NERVOSA	OREGON GRAPE	2 GAL.	50% @ 24" o.c.	HEIGHT 2' TO 3' WIDE 2' TO 3"
	SPI BET	173	SPIRAEA BETULIFOLIA	BIRCHLEAF SPIREA	2 GAL.	50% @ 24" o.c.	HEIGHT 2' TO 3' WIDE 2' TO 3'
	IRRIGATED LAWN	14,419 SF.					

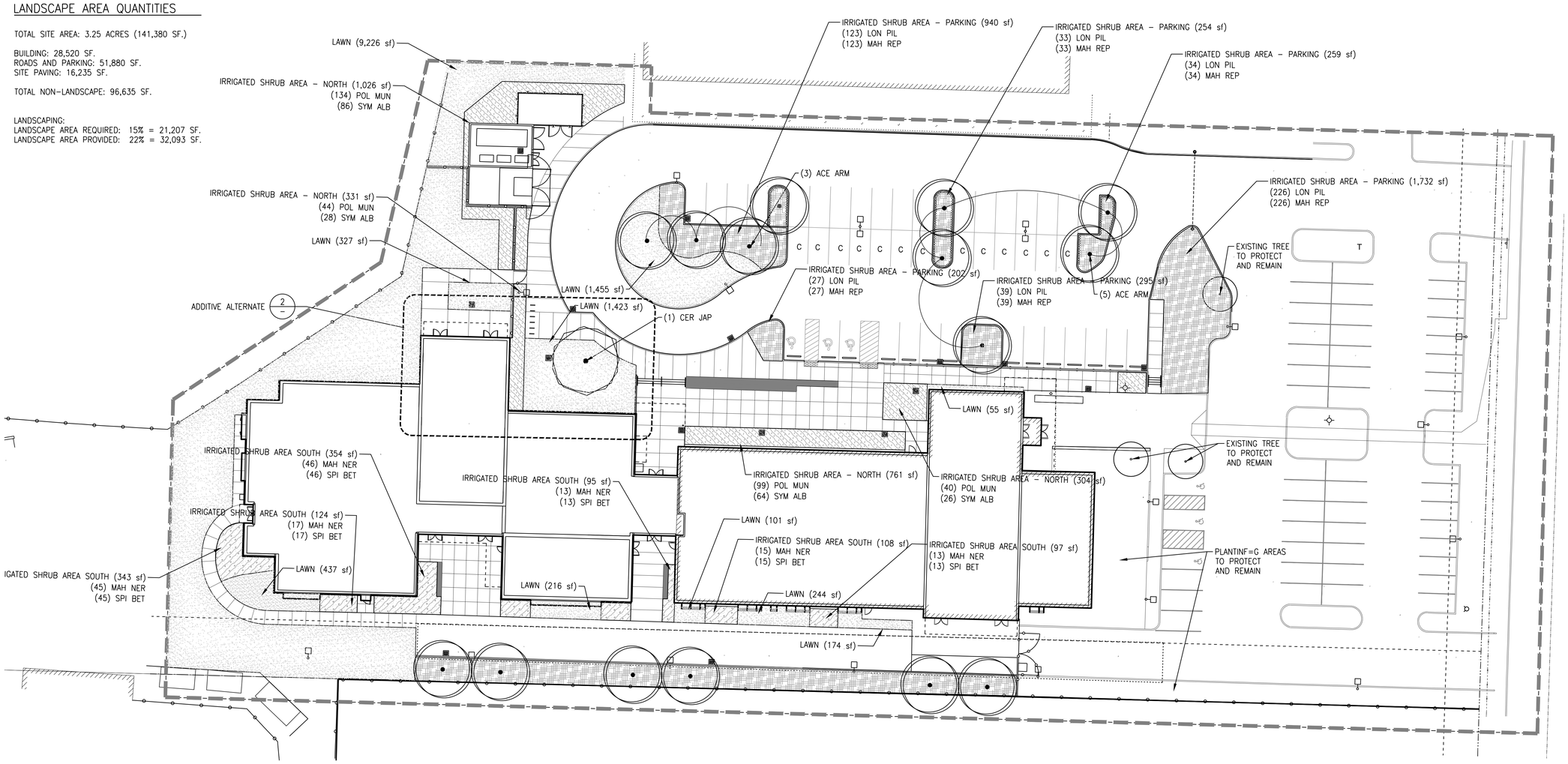
LANDSCAPE AREA QUANTITIES

TOTAL SITE AREA: 3.25 ACRES (141,380 SF.)

BUILDING: 28,520 SF.
ROADS AND PARKING: 51,880 SF.
SITE PAVING: 16,235 SF.

TOTAL NON-LANDSCAPE: 96,635 SF.

LANDSCAPING:
LANDSCAPE AREA REQUIRED: 15% = 21,207 SF.
LANDSCAPE AREA PROVIDED: 22% = 32,093 SF.



1 PLANTING PLAN – BASE BID
SC=1:20
PLAN

BR|IC
ARCHITECTURE, INC.

NEWBERG
PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

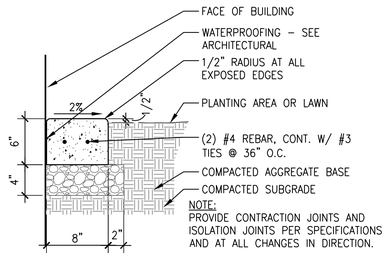
WALKER | MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

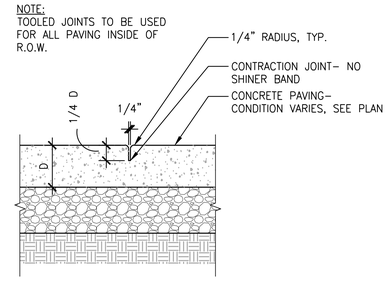
phase	LAND USE
date	10/18/2021
project	21006

PLANTING PLAN

L 3.01

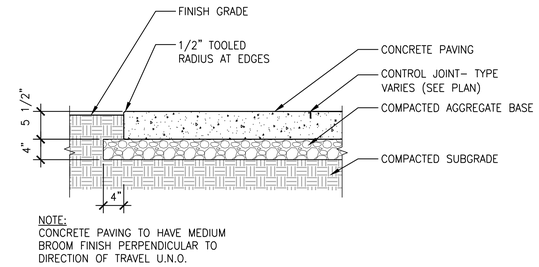


9 CONCRETE MOWBAN AT WALL – 8" WIDTH
1 1/2"=1'-0" PLAN

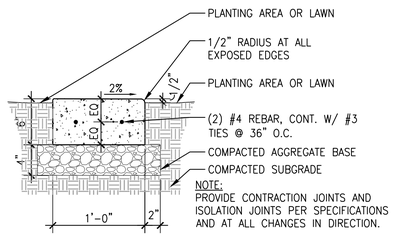


D = PAVING DEPTH

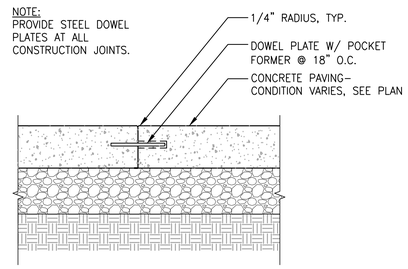
5 CONTRACTION JOINT – TOOLED
1 1/2"=1'-0" PLAN



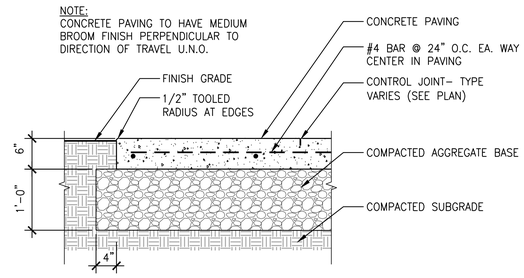
1 CONCRETE PAVING – PEDESTRIAN
1"=1'-0" PLAN



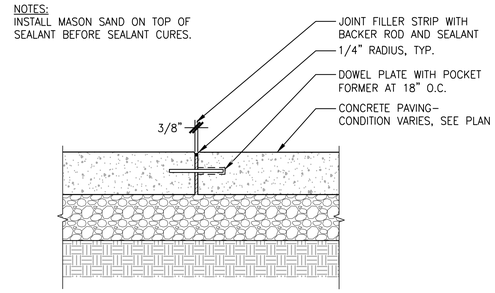
10 CONCRETE MOWBAN – 12" WIDTH
1 1/2"=1'-0" PLAN



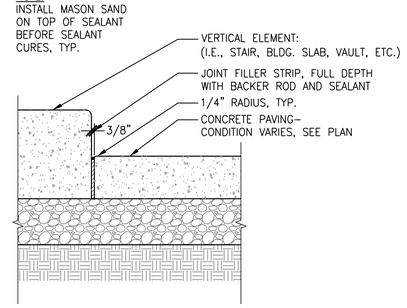
6 CONSTRUCTION JOINT (CJ)
1 1/2"=1'-0" PLAN



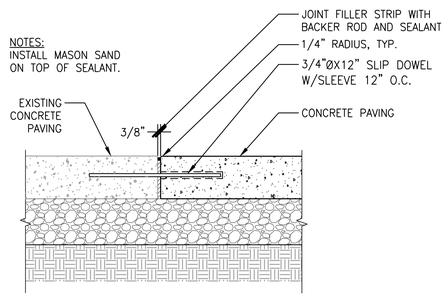
2 CONCRETE PAVING – VEHICULAR
1"=1'-0" PLAN



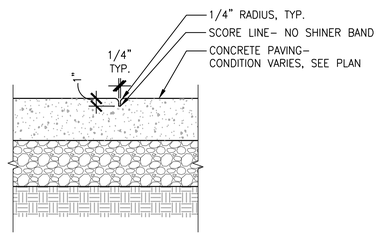
7 DOWELLED ISOLATION JOINT (DIJ)
1 1/2"=1'-0" PLAN



3 ISOLATION JOINT AT VERTICAL ELEMENT
1 1/2"=1'-0" PLAN



8 DOWELLED ISOLATION JOINT AT EXISTING PAVING
1 1/2"=1'-0" PLAN



4 SCORE JOINT – TOOLED
1 1/2"=1'-0" PLAN

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

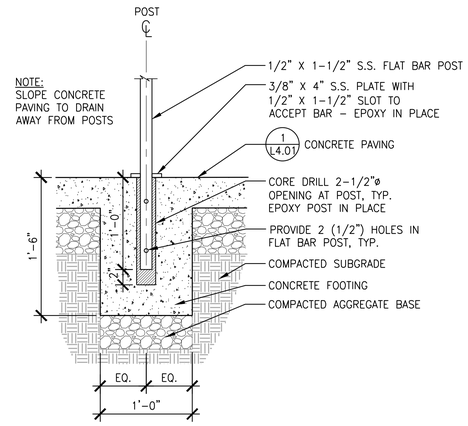
WALKER|MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

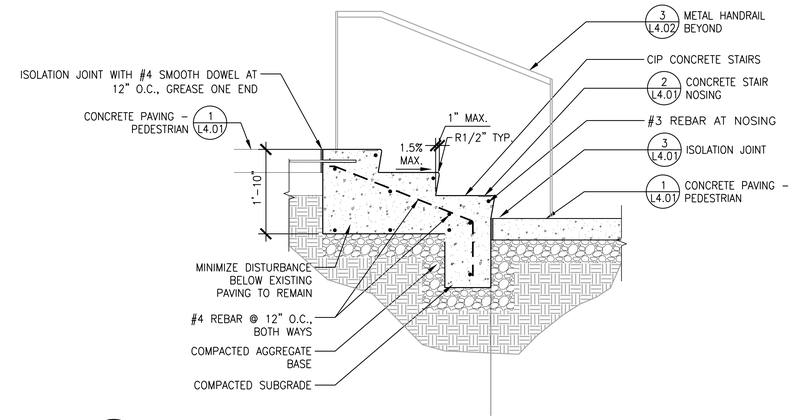
phase	LAND USE
date	10/18/2021
project	21006

PAVING DETAILS

L 4.01

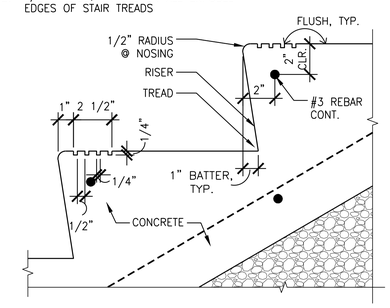


4 RAILING MOUNT - CONCRETE PAVING
1 1/2"=1'-0" PLAN

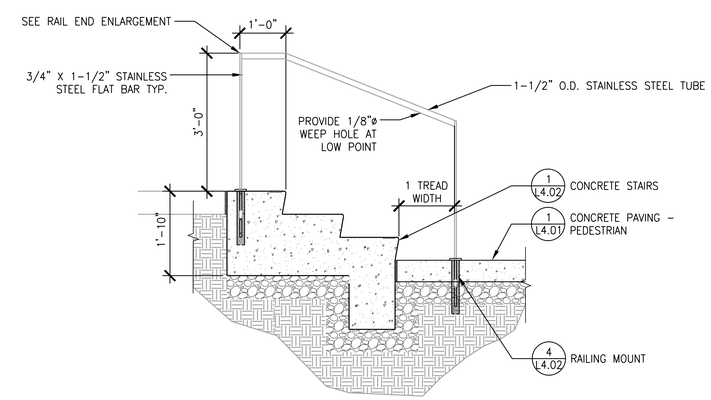


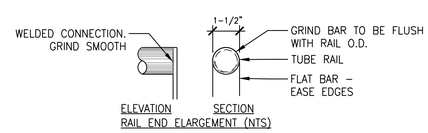
1 CIP - STAIR
3/4"=1'-0" PLAN

NOTES:
1. REMOVE TOOL MARKS AND APPLY MEDIUM BROOM FINISH TO STAIR TREAD.
2. 1/2" RADIUS, TYPICAL ON ALL EXPOSED EDGES OF STAIR TREADS



2 STAIR NOSING
3"=1'-0" PLAN





NOTES:
1. SUBMIT RAILING SHOP DRAWINGS FOR APPROVAL BY OWNER'S REPRESENTATIVE.
2. CONTINUOUS SEAM-WELD ALL JOINTS. GRIND WELDS SMOOTH. EASE ALL EDGES.
3. PROVIDE WEEP HOLE AT LOW POINT IN UNDERSIDE OF RAIL.

3 STAIR HANDRAIL
3"=1'-0" PLAN

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION
1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

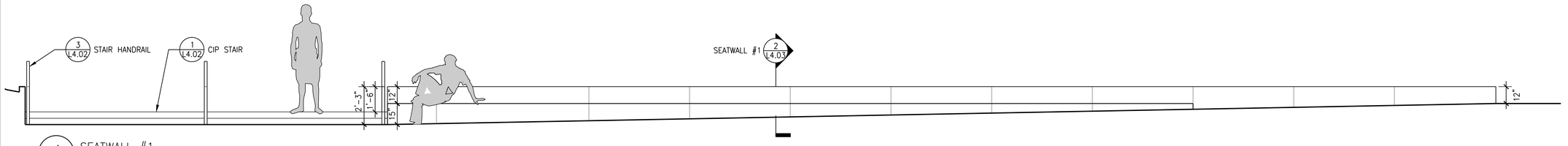
WALKER|MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

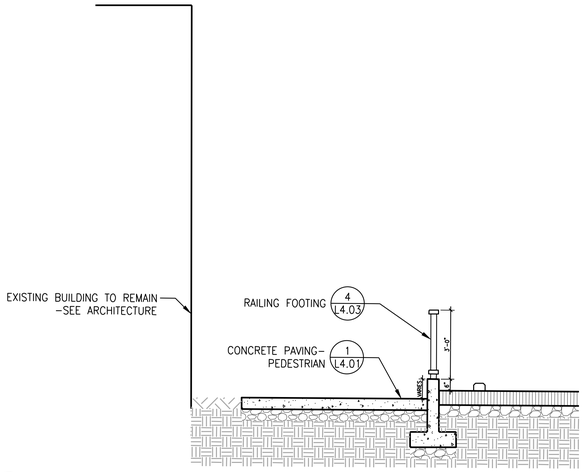
phase	LAND USE
date	10/18/2021
project	21006

STAIRS & HANDRAILS DETAILS

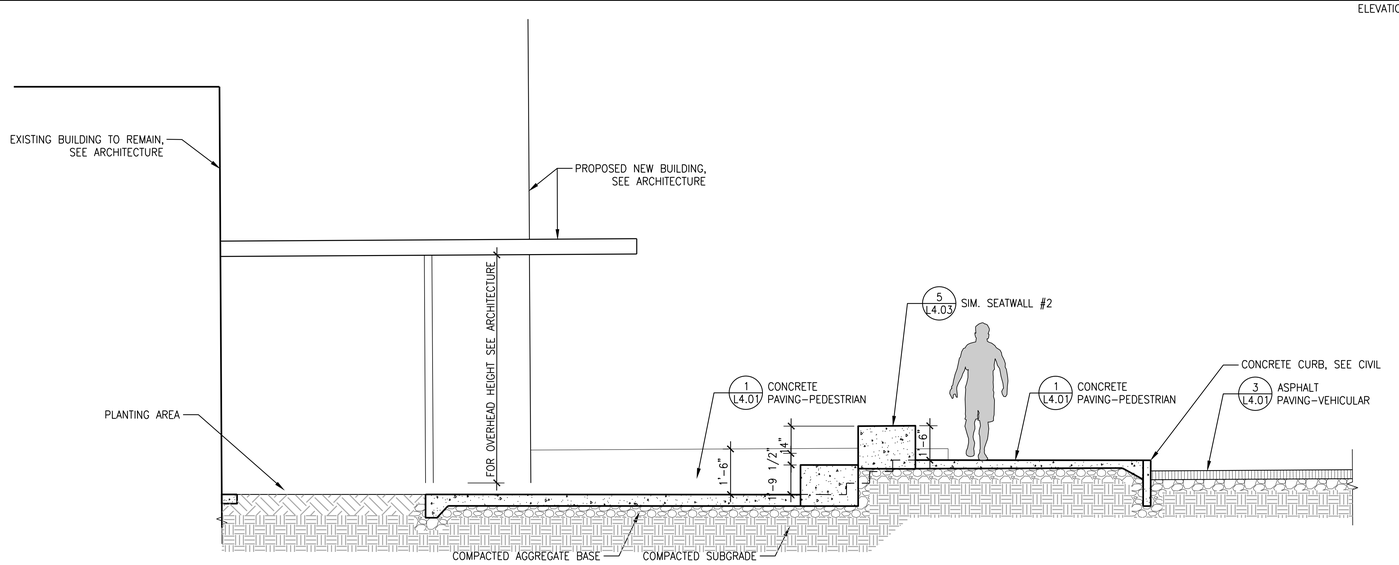
L 4.02



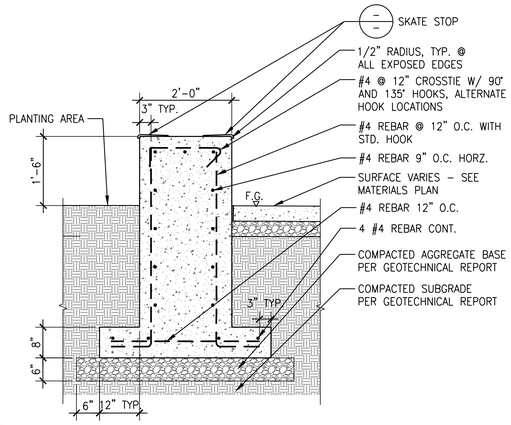
1 SEATWALL #1
3/8"=1'-0"
ELEVATION

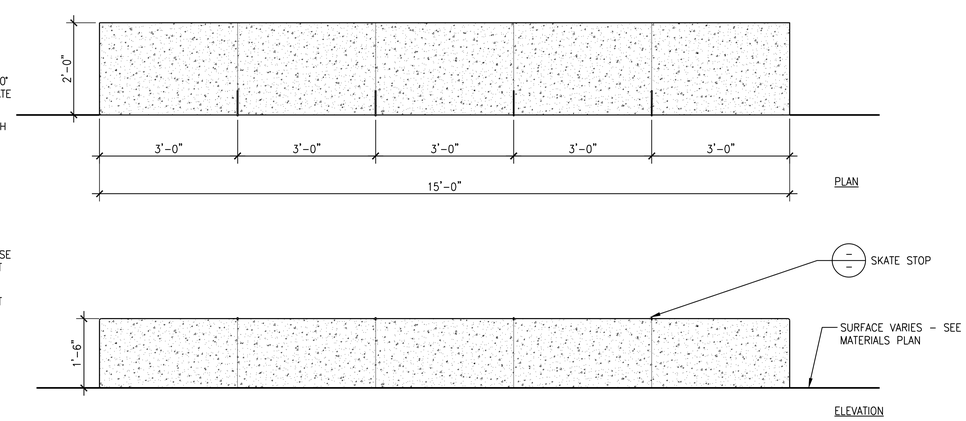


3 CONCRETE WALL WITH METAL RAILING
3/8"=1'-0"
SECTION

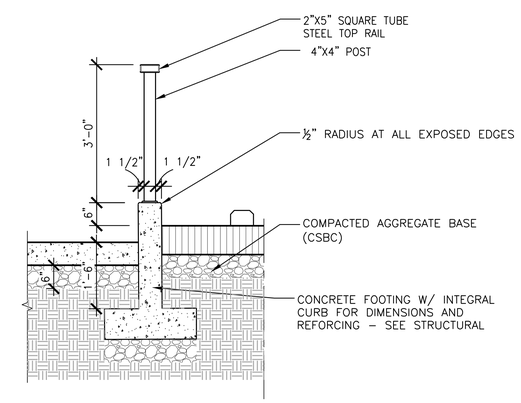


2 SEATWALL #1
3/8"=1'-0"
SECTION





5 SEATWALL #2
3/4"=1'-0"
PLAN / ELEVATION / SECTION



4 RAILING FOOTING
3/4"=1'-0"
SECTION

BR|IC
ARCHITECTURE, INC.

NEWBERG
PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

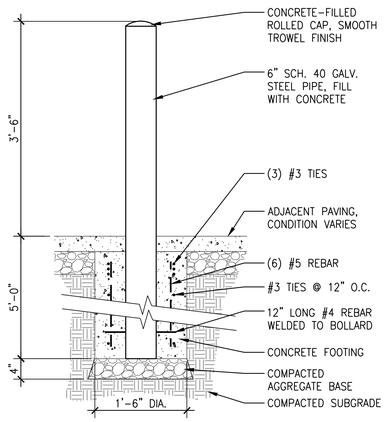
WALKER|MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

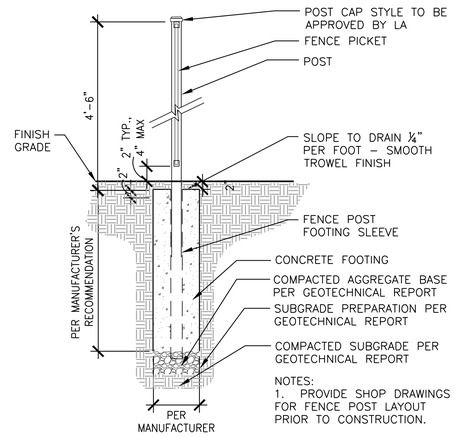
phase	LAND USE
date	10/18/2021
project	21006

WALLS DETAILS

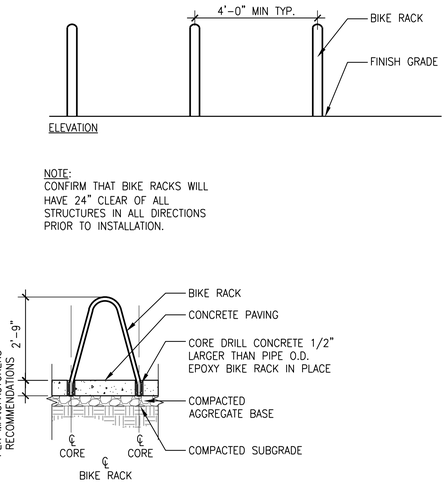
L 4.03



7 VEHICULAR BOLLARD
1"=1'-0" SECTION



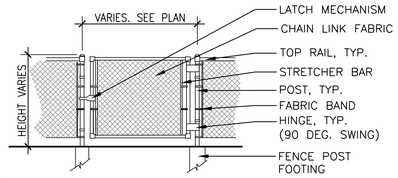
4 POST FOOTING, TYP.
1/2"=1'-0" SECTION



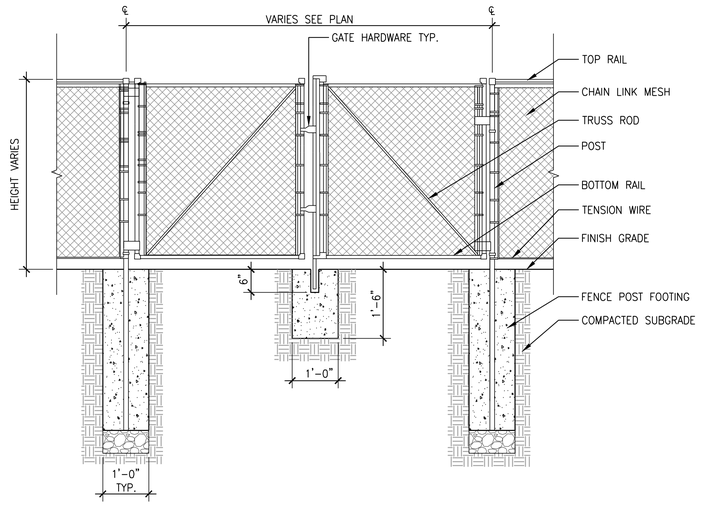
1 BIKE RACK – EMBEDED
1/2"=1'-0" SECTION

CHAINLINK FENCING NOTES:

1. CONTRACTOR TO SUBMIT CHAIN LINK FENCING AND REINFORCED CONCRETE FOOTING SHOP DRAWINGS AND STRUCTURAL CALCULATIONS FOR APPROVAL BY OWNER'S REPRESENTATIVE.
2. FABRIC SHALL BE 9-GAUGE STEEL WIRE WOVEN IN A 2" MESH.
3. ALL METAL PARTS TO BE FULLY GALVANIZED.
4. BEND DOWN AND KNUCKLE TOP BARB SELVAGES OF FABRIC.
5. TERMINAL, CORNER, AND PULL POSTS SHALL BE ROUND PIPE WITH CAPS, FULLY GALVANIZED. SIZE PER CONTRACTOR'S STRUCTURAL ENGINEER.
6. LINE POSTS AND RAILS SHALL BE ROUND PIPES FULLY GALVANIZED. CAP ALL POSTS. SIZE PER CONTRACTOR'S STRUCTURAL ENGINEER.
7. INSTALL ALL FABRIC WITH POINTS DOWN. THE FINISHED EDGE OF THE FABRIC SHALL BE AT THE TOP OF THE FENCE.

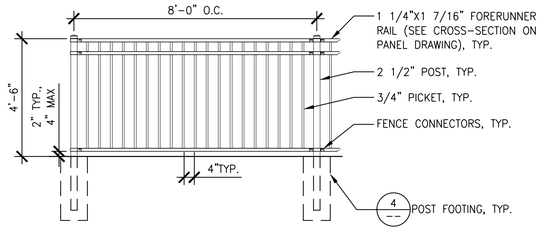


5 CHIANLINK FENCE
3/8"=1'-0" SECTION



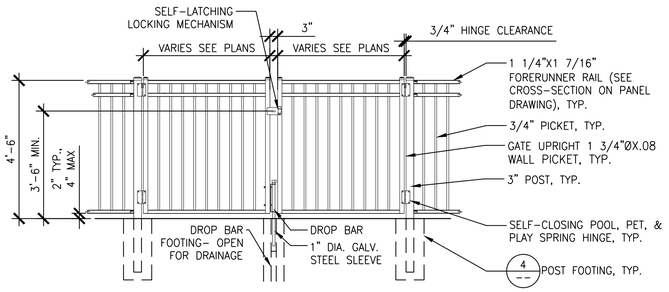
6 CHIANLINK FENCE – DOUBLE GATE
3/4"=1'-0" SECTION

NOTES:
1. FENCE AND GATE PRODUCTS TO BE ALUMINUM PICKET FENCING– ECHELON PLUS 3/4 RAIL MAJESTIC POOL FENCING PANEL AND MAJESTIC POOL GATES BY AMERISTAR, OR APPROVED EQUAL.
2.VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL.
4. ALL FENCING SHOULD ADHERE TO OREGON ADMINISTRATIVE RULES CHAPTER 333-DIVISION 60 SWIMMING POOL RULES.



2 ORNAMENTAL FENCE
1/2"=1'-0" SECTION

NOTES:
1. VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. SEE PRODUCT SPECIFICATION FOR INSTALLATION REQUIREMENTS.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL.
3. ALL GATES SHOULD ADHERE TO OREGON ADMINISTRATIVE RULES CHAPTER 333-DIVISION 60 SWIMMING POOL RULES.
4. PROVIDE SELF-CLOSING AND SELF-LATCHING MECHANISMS WHERE SHOWN



3 ORNAMENTAL FENCE – DOUBLE GATE
1/2"=1'-0" SECTION

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION
1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

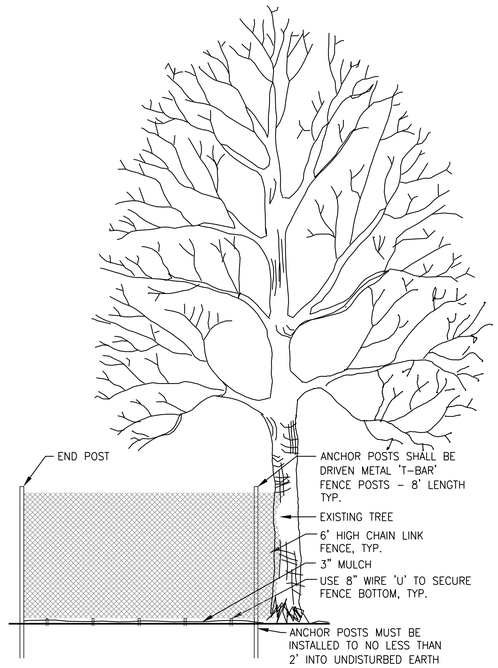
WALKER|MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

phase	LAND USE
date	10/18/2021
project	21006

SITE FURNISHING DETAILS

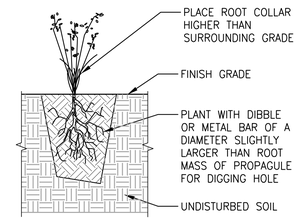
L 4.04



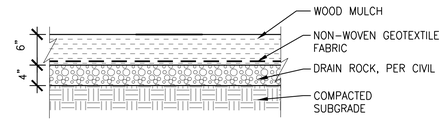
NOTES:

1. ALL TREE PROTECTION AREAS SHALL HAVE PROTECTIVE BARRIER FENCES ERECTED AT THE EDGES OF THE ROOT PROTECTION ZONES OR AS INDICATED ON PLANS.
2. THE FENCES SHALL BE MADE OF CHAIN LINK FABRIC AND SUPPORTED BY T-BAR METAL FENCE POSTS SPACED A MAXIMUM OF 8-FEET APART.
3. NO GRADING, FILLING, OPERATION OR STORAGE OF EQUIPMENT, MODIFICATIONS TO DRAINAGE, UTILITY TRENCHES, UNDERSTORY REMOVAL, OR OTHER ACTIVITY SHOULD OCCUR WITHIN THE ROOT PROTECTION ZONES (UNLESS UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST).
4. TREE FENCES SHALL BE ERECTED AROUND ROOT PROTECTION ZONE OF ALL TREES TO BE SAVED PRIOR TO THE START OF CONSTRUCTION.
5. REMOVE TREE PROTECTION FENCING ONE WEEK PRIOR TO PHYSICAL COMPLETION.

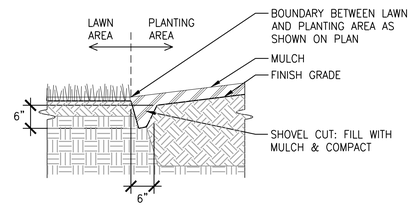
8 TREE PROTECTION FENCING
3/8"=1'-0" SECTION



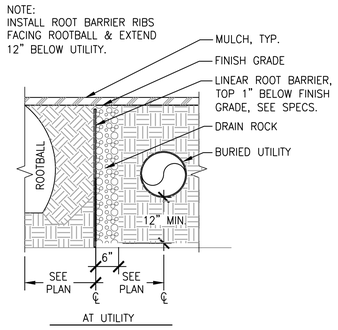
4 PLUG PLANTING
3/8"=1'-0" SECTION

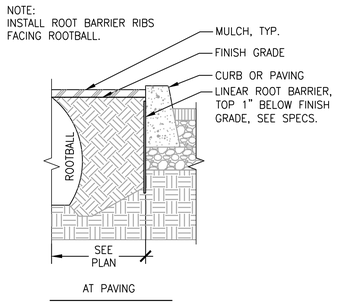


5 WOOD MULCH
1"=1'-0" SECTION

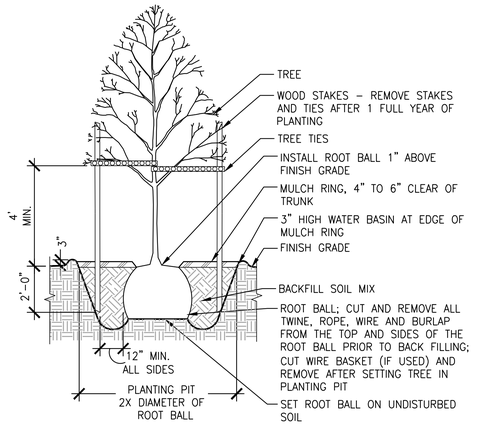


6 SHOVEL CUT
3/4"=1'-0" SECTION

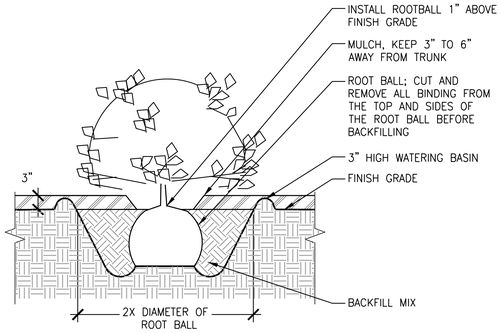




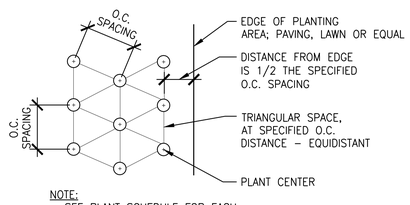
7 ROOT BARRIER
3/4"=1'-0" SECTION



1 DECIDUOUS TREE PLANTING
3/8"=1'-0" SECTION



2 SHRUB AND GROUND COVER PLANTING
3/4"=1'-0" SECTION



NOTE:
- SEE PLANT SCHEDULE FOR EACH PLANT'S APPROPRIATE O.C. SPACING.
- PLANTING PLAN SHOWING INDIVIDUAL LOCATION OF A SHRUB AND OR GROUND COVER TAKE PRECEDENT OVER THIS DETAIL.

3 SHRUB AND GROUND COVER TRIANGULAR SPACING
3/4"=1'-0" SECTION

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION
1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

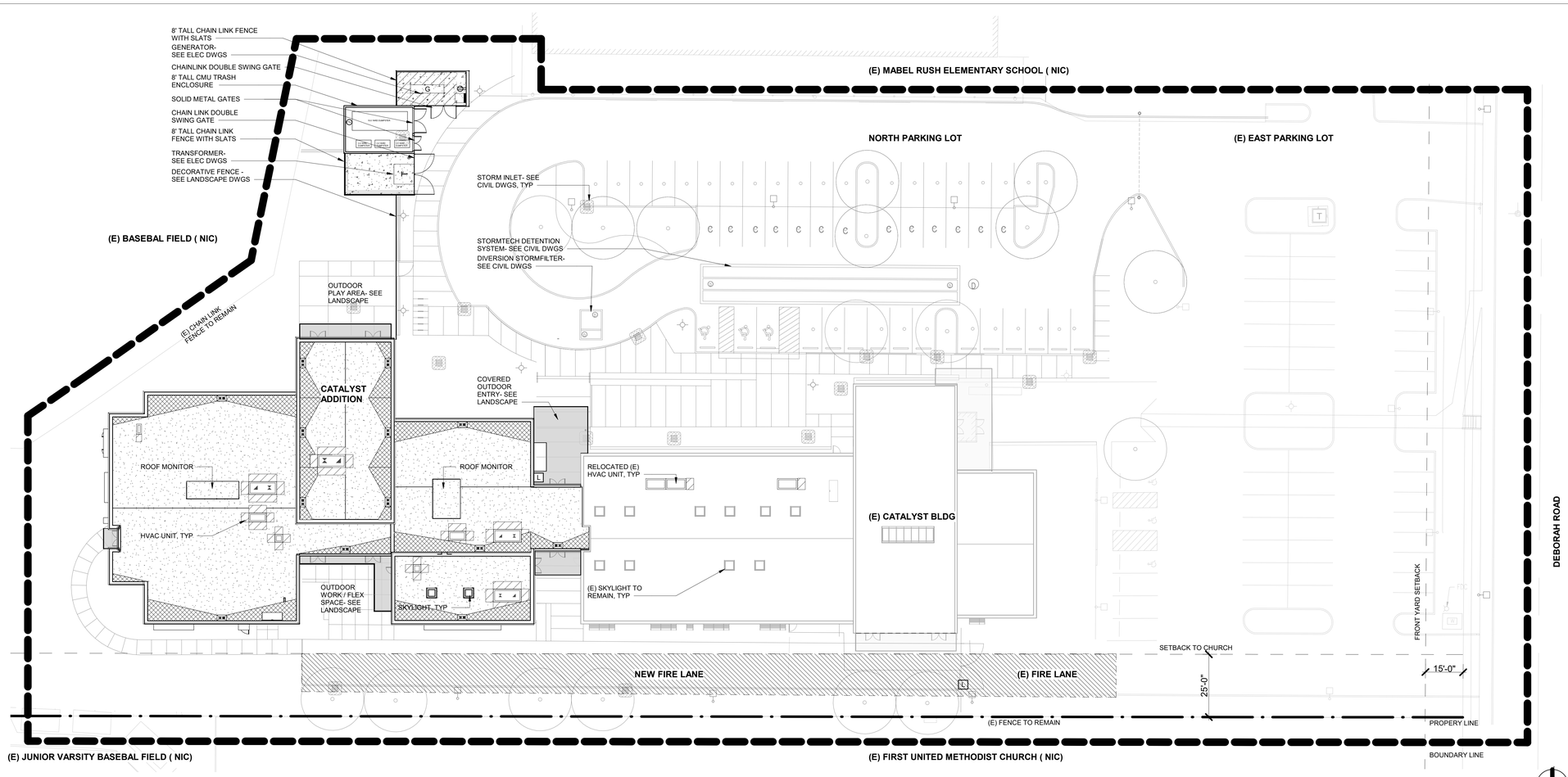
WALKER|MACY
111 SW Oak Street, SUITE 200
PORTLAND, OR. 97204
503-228-3122

revisions	

phase	LAND USE
date	10/18/2021
project	21006

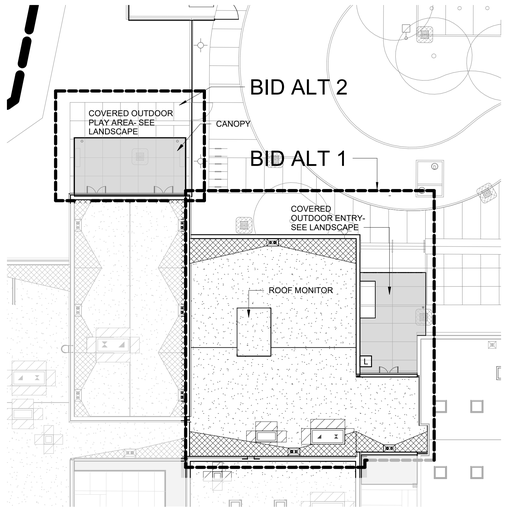
PLANTING DETAILS

L 4.05



SITE PLAN - BASE BID (1)

SCALE: 1" = 20'-0"



SITE PLAN - BID ALTERNATE (2)

SCALE: 1" = 20'-0"

SITE PLAN LEGEND

- EXISTING BUILDING
- NEW BUILDING
- EXISTING CANOPY
- NEW CANOPY
- 2-PLY MOD BIT MEMBRANE ROOFING OVER RIGID INSULATION ON STRUCTURAL SHEATHING, TYP.
- FIRE LANE
- PROPERTY LINE
- WORK BOUNDARY LINE
- LED POLE AREA LUMINAIRE. SEE ELECTRICAL SITE DWG.
- PEDESTRIAN LUMINAIRE. SEE ELECTRICAL SITE DWG.
- LOCK BOX
- ROOF DRAIN WITH OVERFLOW DRAIN

BR|IC ARCHITECTURE, INC.

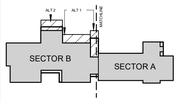
NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION



KEYPLAN

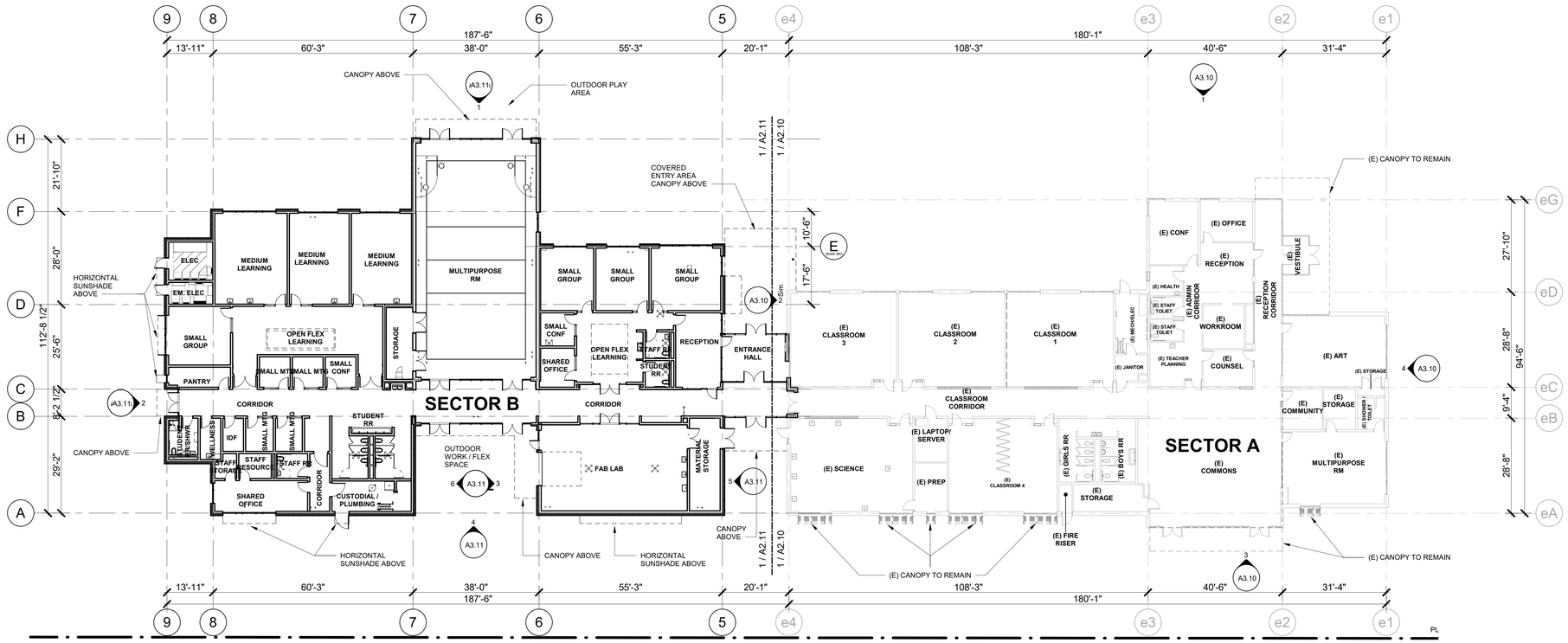
revisions

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

SITE PLAN- BASE BID + BID ALT

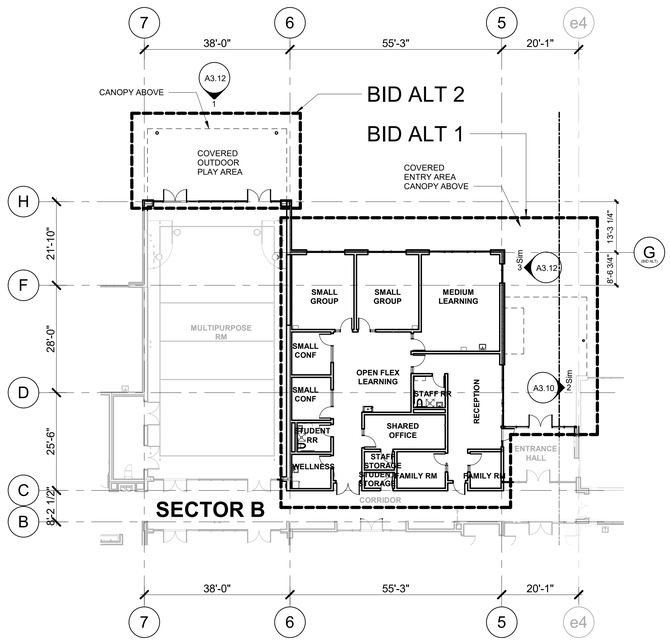
A1.01

10/15/2021 1:03:09 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



A2-FLOOR PLAN - OVERALL - BASE BID

SCALE: 1/16" = 1'-0" (1)



A2-FLOOR PLAN - OVERALL - BID ALTERNATE 1 + 2

SCALE: 1/16" = 1'-0" (2)

FLOOR PLAN NOTES

1. CONDITIONS AND DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION OF THE PROJECT.
2. WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED ON THE WORK, ALL SUCH MATERIAL AND METHODS ARE TO MAINTAIN STANDARDS OF THE INDUSTRY AND, WHERE APPLICABLE, MANUFACTURER'S INSTRUCTIONS.
3. LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
4. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
5. PROVIDE ALL NECESSARY ANCHORAGE BLOCKING, BACKING, FRAMING FOR HANDRAILS, DOOR STOPS, CASEWORK, SHELVING, MIRRORS, WALL MOUNTED EQUIPMENT, AND ALL OTHER ITEMS AS REQUIRED FOR COMPLETE INSTALLATION.
6. CONFIRM ALL ROUGH OPENING DIMENSIONS FOR DOORS AND WINDOWS PRIOR TO COMMENCEMENT OF CONSTRUCTION
7. WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS NOTED OTHERWISE.
8. PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS WHERE WALL RUNS PERPENDICULAR TO ROOF JOISTS. GYPSUM BOARD TO TERMINATE AT ROOF JOISTS.
9. ALIGN FINISHES WHERE INDICATED.
10. SEE ARCHITECTURAL SLAB PLAN FOR CONTROL JOINTS.

BR|IC ARCHITECTURE, INC.

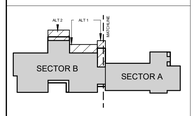
NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION



KEYPLAN

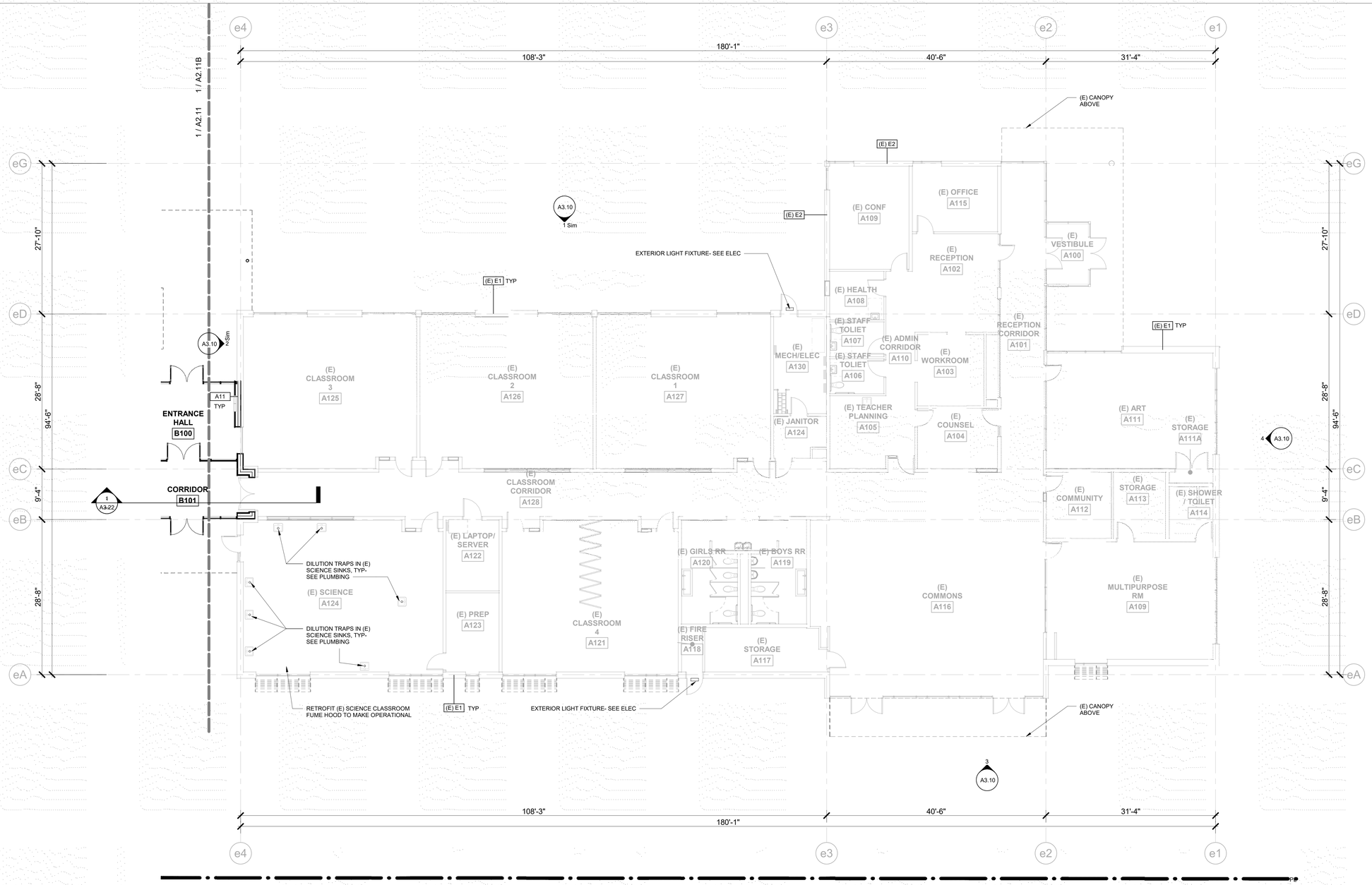
revisions

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

OVERALL FLOOR PLAN - LEVEL 1

A2.00

10/14/2021 3:26:28 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



EXISTING FLOOR PLAN - SECTOR A

SCALE: 1/8" = 1'-0"

FLOOR LEGEND:

- EXISTING TO REMAIN
- NEW SCOPE OF WORK
- FD FLOOR DRAIN
- MOP SINK
- SHOWER ADA
- CHANGING STATION
- ADA WATER FOUNTAIN W/ BOTTLE FILLER
- RR SINK
- CTE SINK
- UTILITY SINK
- SINK W/ BUBBLER
- TROUGH SINK
- TOILET
- SHIPS LADDER

WALL TYPE NOTES

A1 — WALL CONSTRUCTION TYPE - SEE WALL TYPES
1 HR — FIRE RATED CONSTRUCTION DESIGNATION (IN HOURS)
XX — STC RATING

1 NOTED WALL TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.

2 PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL TOILET ROOMS. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS. MOISTURE RESISTANT GYPSUM BOARD SHALL ALSO BE USED AT ALL KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.

3 WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS OTHERWISE NOTED.

FLOOR PLAN NOTES

1 CONDITIONS AND DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION OF THE PROJECT.

2 WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED ON THE WORK, ALL SUCH MATERIAL AND METHODS ARE TO MAINTAIN STANDARDS OF THE INDUSTRY AND, WHERE APPLICABLE, MANUFACTURER'S INSTRUCTIONS.

3 LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

4 ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

5 PROVIDE ALL NECESSARY ANCHORAGE BLOCKING, BACKING, FRAMING FOR HANDRAILS, DOOR STOPS, CASEWORK, SHELVING, MIRRORS, WALL MOUNTED EQUIPMENT, AND ALL OTHER ITEMS AS REQUIRED FOR COMPLETE INSTALLATION.

6 CONFIRM ALL ROUGH OPENING DIMENSIONS FOR DOORS AND WINDOWS PRIOR TO COMMENCEMENT OF CONSTRUCTION

7 WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS NOTED OTHERWISE.

8 PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS WHERE WALL RUNS PERPENDICULAR TO ROOF JOISTS. GYPSUM BOARD TO TERMINATE AT ROOF JOISTS.

9 ALIGN FINISHES WHERE INDICATED.

10 SEE ARCHITECTURAL SLAB PLAN FOR CONTROL JOINTS.

BRIC ARCHITECTURE, INC.

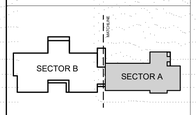
NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION



KEYPLAN

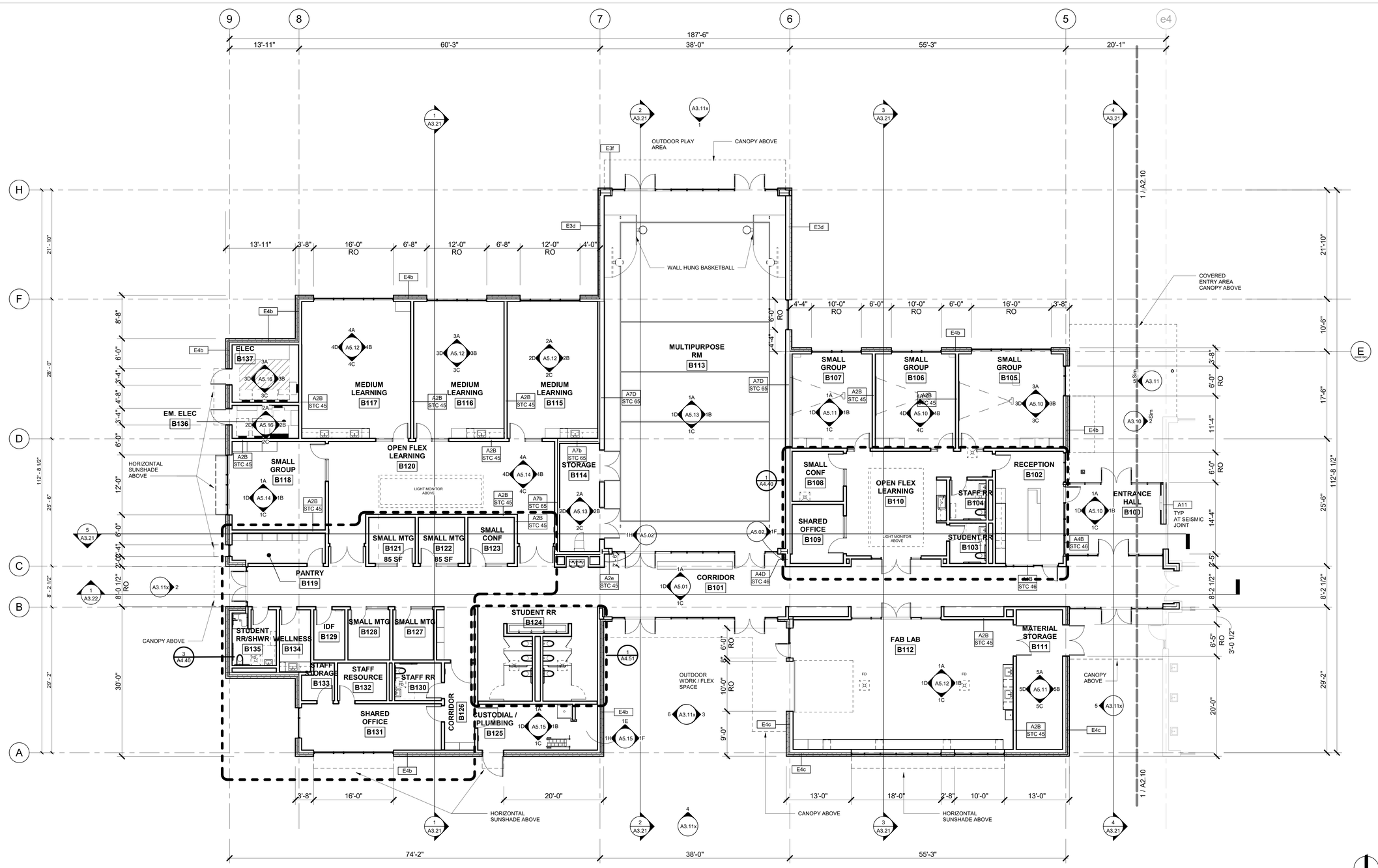
revisions

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

LEVEL 1 - FLOOR PLAN - SECTOR A

A2.10

10/14/2021 3:25:56 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



FLOOR PLAN - SECTOR B

BASE BID

SCALE: 1/8" = 1'-0"

1

FLOOR LEGEND:

- EXISTING TO REMAIN
- NEW SCOPE OF WORK
- FD — FLOOR DRAIN
- MOP SINK
- SHOWER ADA
- CHANGING STATION
- ADA WATER FOUNTAIN W/ BOTTLE FILLER
- RR SINK
- CTE SINK
- UTILITY SINK
- SINK W/ BUBBLER
- TROUGH SINK
- TOILET
- SHIPS LADDER

WALL TYPE NOTES

A1 — WALL CONSTRUCTION TYPE - SEE WALL TYPES
1 HR — FIRE RATED CONSTRUCTION DESIGNATION (IN HOURS)
XX — STC RATING

1. NOTED WALL TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.
2. PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL TOILET ROOMS. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS. MOISTURE RESISTANT GYPSUM BOARD SHALL ALSO BE USED AT ALL KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.
3. WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS OTHERWISE NOTED.

FLOOR PLAN NOTES

1. CONDITIONS AND DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION OF THE PROJECT.
2. WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED ON THE WORK, ALL SUCH MATERIAL AND METHODS ARE TO MAINTAIN STANDARDS OF THE INDUSTRY AND, WHERE APPLICABLE, MANUFACTURER'S INSTRUCTIONS.
3. LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
4. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
5. PROVIDE ALL NECESSARY ANCHORAGE BLOCKING, BACKING, FRAMING FOR HANDRAILS, DOOR STOPS, CASEWORK, SHELVING, MIRRORS, WALL MOUNTED EQUIPMENT, AND ALL OTHER ITEMS AS REQUIRED FOR COMPLETE INSTALLATION.
6. CONFIRM ALL ROUGH OPENING DIMENSIONS FOR DOORS AND WINDOWS PRIOR TO COMMENCEMENT OF CONSTRUCTION
7. WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS NOTED OTHERWISE.
8. PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS WHERE WALL RUNS PERPENDICULAR TO ROOF JOISTS. GYPSUM BOARD TO TERMINATE AT ROOF JOISTS.
9. ALIGN FINISHES WHERE INDICATED.
10. SEE ARCHITECTURAL SLAB PLAN FOR CONTROL JOINTS.

BR|IC ARCHITECTURE, INC.

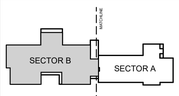
NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION



KEYPLAN

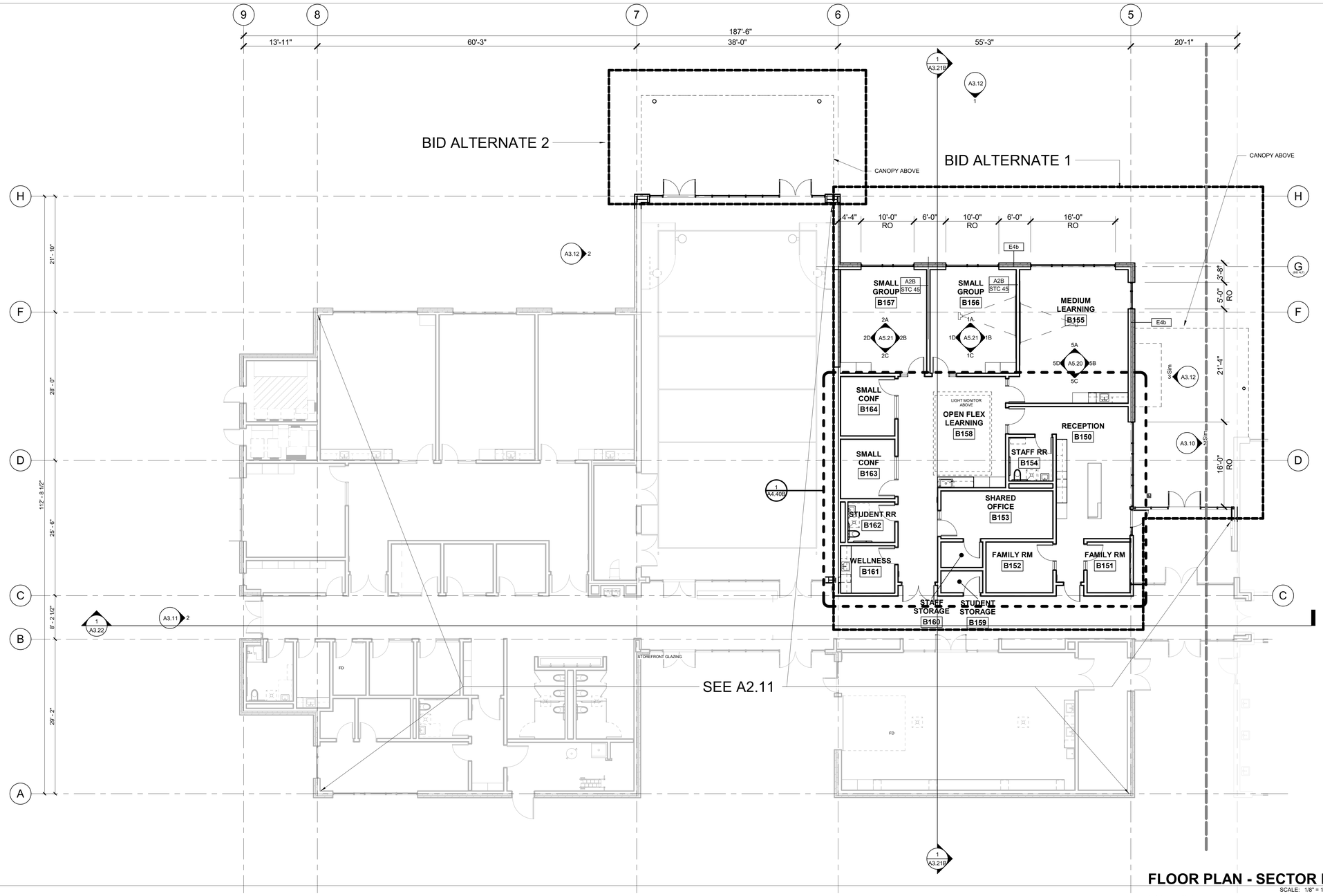
revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

LEVEL 1 - FLOOR PLAN - SECTOR B- BASE BID

A2.11

10/14/2021 3:27:00 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



FLOOR PLAN - SECTOR B

SCALE: 1/8" = 1'-0"

BID ALTERNATE

FLOOR LEGEND:

- EXISTING TO REMAIN
- NEW SCOPE OF WORK
- FD — FLOOR DRAIN
- MOP SINK
- SHOWER ADA
- CHANGING STATION
- ADA WATER FOUNTAIN W/ BOTTLE FILLER
- RR SINK
- CTE SINK
- UTILITY SINK
- SINK W/ BUBBLER
- TROUGH SINK
- TOILET
- SHIPS LADDER

WALL TYPE NOTES

A1 — WALL CONSTRUCTION TYPE - SEE WALL TYPES
1 HR — FIRE RATED CONSTRUCTION DESIGNATION (IN HOURS)
XX — STC RATING

1 NOTED WALL TYPE DEPICTS TYPICAL WALL CONSTRUCTION. SEE ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL INFORMATION.

2 PROVIDE MOISTURE RESISTANT GYPSUM BOARD IN ALL TOILET ROOMS. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE APPLICATIONS. MOISTURE RESISTANT GYPSUM BOARD SHALL ALSO BE USED AT ALL KITCHEN AREAS AND BEHIND DRINKING FOUNTAINS.

3 WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS OTHERWISE NOTED.

FLOOR PLAN NOTES

1 CONDITIONS AND DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION OF THE PROJECT.

2 WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED ON THE WORK, ALL SUCH MATERIAL AND METHODS ARE TO MAINTAIN STANDARDS OF THE INDUSTRY AND, WHERE APPLICABLE, MANUFACTURER'S INSTRUCTIONS.

3 LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

4 ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS, AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

5 PROVIDE ALL NECESSARY ANCHORAGE BLOCKING, BACKING, FRAMING FOR HANDRAILS, DOOR STOPS, CASEWORK, SHELVING, MIRRORS, WALL MOUNTED EQUIPMENT, AND ALL OTHER ITEMS AS REQUIRED FOR COMPLETE INSTALLATION.

6 CONFIRM ALL ROUGH OPENING DIMENSIONS FOR DOORS AND WINDOWS PRIOR TO COMMENCEMENT OF CONSTRUCTION

7 WHERE A LENGTH OF WALL IS INTERSECTED BY PERPENDICULAR WALLS, WALL TYPE TO BE CONTINUOUS BETWEEN TAGS UNLESS NOTED OTHERWISE.

8 PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS WHERE WALL RUNS PERPENDICULAR TO ROOF JOISTS. GYPSUM BOARD TO TERMINATE AT ROOF JOISTS.

9 ALIGN FINISHES WHERE INDICATED.

10 SEE ARCHITECTURAL SLAB PLAN FOR CONTROL JOINTS.

BR|IC ARCHITECTURE, INC.

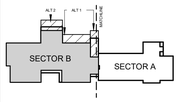
NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION



KEYPLAN

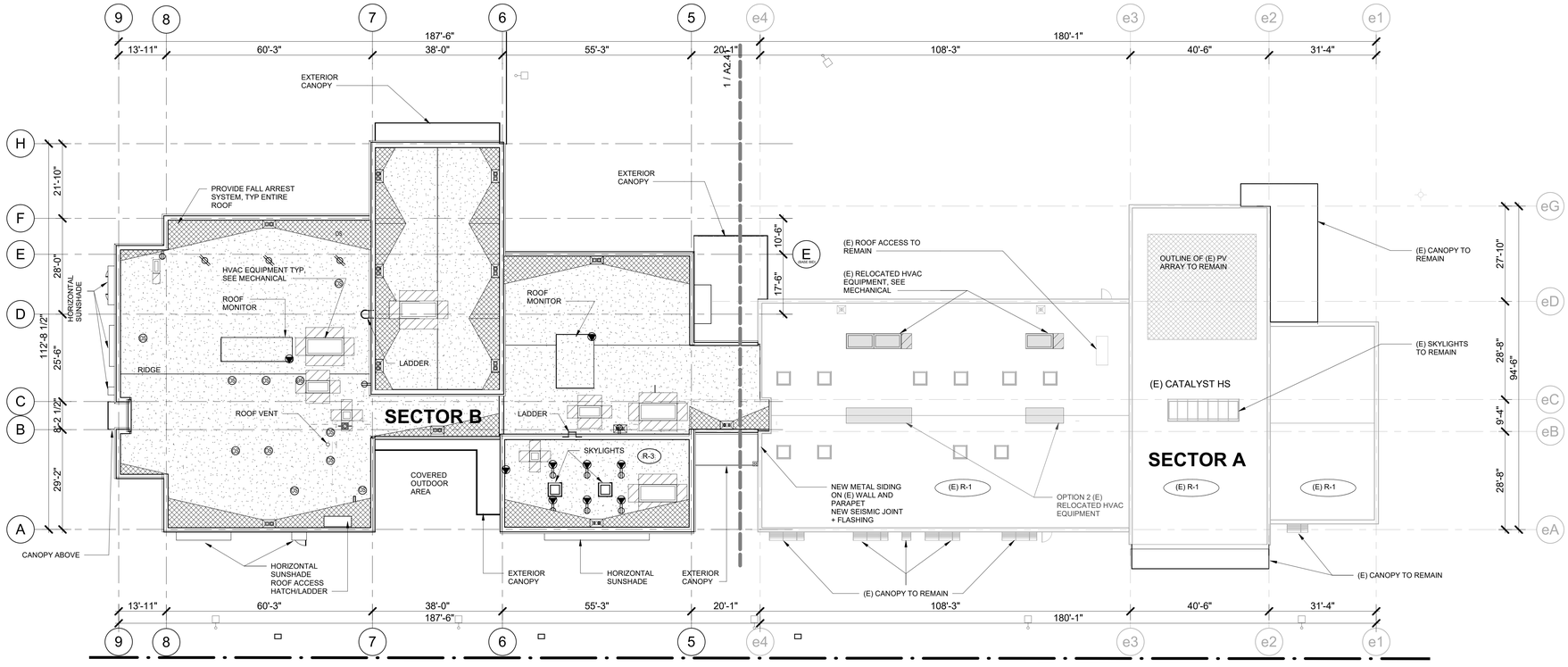
revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

LEVEL 1 - FLOOR PLAN - SECTOR B - BID ALTERNATE

A2.11B

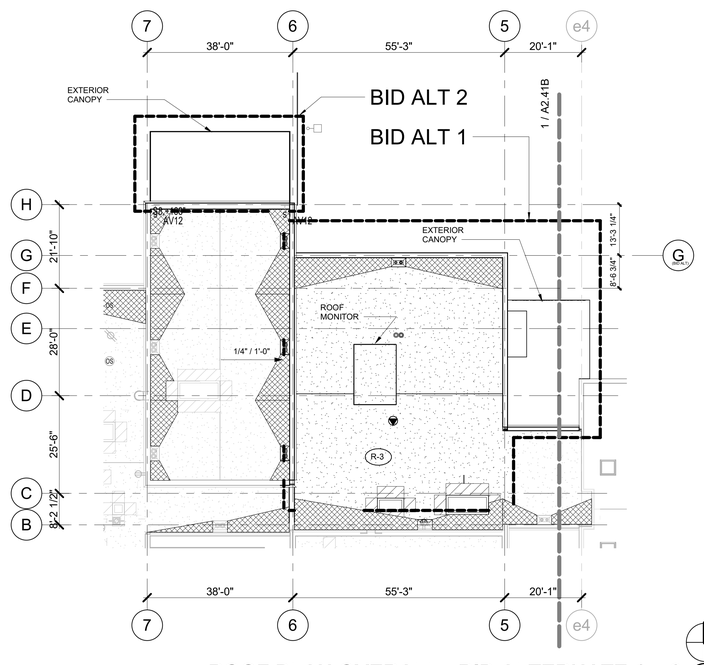
10/14/2021 3:27:24 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



ROOF PLAN OVERALL - BASE BID

SCALE: 1/16" = 1'-0"

1



ROOF PLAN OVERALL - BID ALTERNATE 1 + 2

SCALE: 1/16" = 1'-0"

2

ROOF PLAN NOTES

1. ALL ELEVATIONS REFERENCED FROM FINISHED FLOOR XX'-0", UNLESS NOTED OTHERWISE.
2. NOT ALL ROOF PENETRATIONS ARE SHOWN. COORDINATE WITH STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS.
3. LOADING OF CONSTRUCTION MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.
4. SEE ROOF DETAIL SHEETS FOR ROOF TYPE DIAGRAMS.
5. PROVIDE CONCEALED ONE-PIECE STAINLESS STEEL SADDLE FLASHINGS WITH SEAMS SOLDERED WATERTIGHT WHERE LOWER PARAPETS AND ROOF EDGES INTERSECT HIGHER WALLS. FLANGES SHALL EXTEND 4" MINIMUM ONTO EACH INTERSECTING PLANE. STRIP FLANGES INTO WRB SYSTEM WITH SAM TRANSITION SHEET IN WEATHERLAPPED FASHION. PROVIDE REVERSE OPEN HEM END DAMS ON EDGES OF SLOPED SURFACES UNDER COPINGS.
6. ROOF TIE-OFF AND MECHANICAL SCREEN POST LOCATIONS ARE APPROXIMATE; THEY ARE TYPICALLY LOCATED OVER ROOF STRUCTURAL STEEL. VERIFY NOTED LOCATIONS WITH STRUCTURAL STEEL.

BRIC ARCHITECTURE, INC.

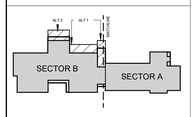
NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION



KEYPLAN

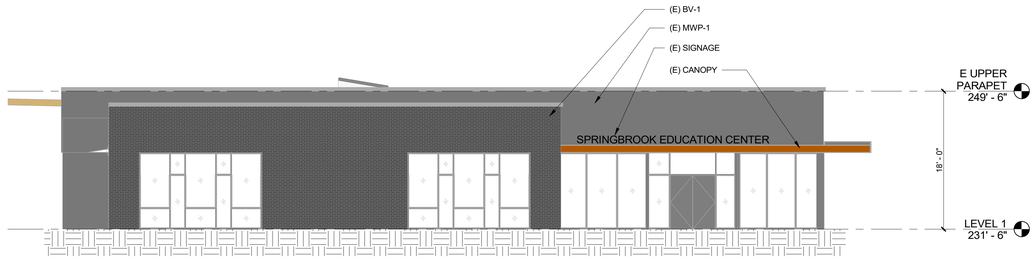
revisions

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

OVERALL ROOF PLAN

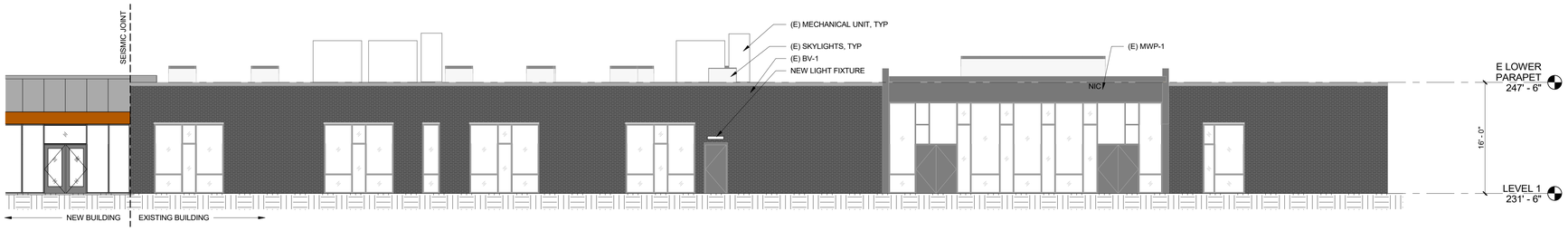
A2.40

10/14/2021 3:28:49 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



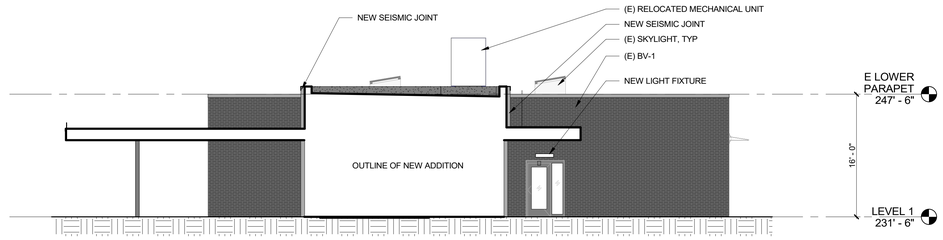
EAST ELEVATION - EXISTING FOR REFERENCE 4

SCALE: 1/8" = 1'-0"



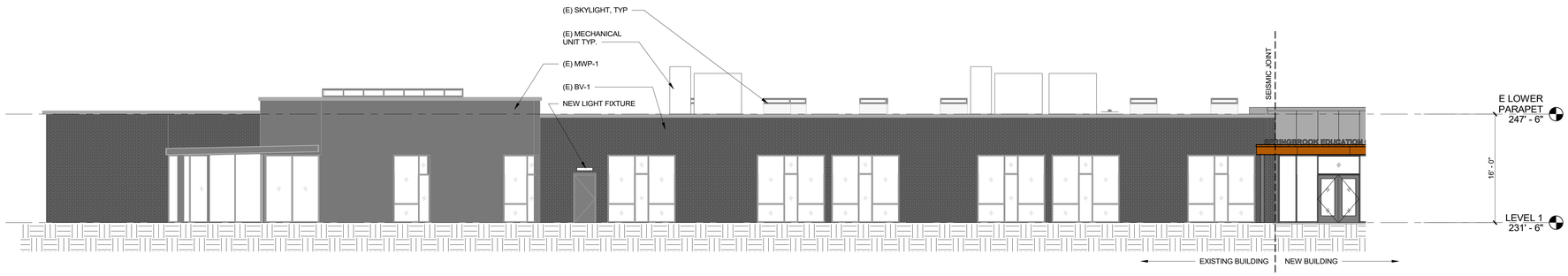
SOUTH ELEVATION - EXISTING FOR REFERENCE 3

SCALE: 1/8" = 1'-0"



WEST ELEVATION - EXISTING FOR REFERENCE 2

SCALE: 1/8" = 1'-0"



NORTH ELEVATION - EXISTING FOR REFERENCE 1

SCALE: 1/8" = 1'-0"

EXISTING LEGEND:

(E) BRICK VENEER

(E) METAL WALL PANEL

METAL WALL PANEL

(E) EXTERIOR CANOPY

(E) MECHANICAL UNIT

(E) GLAZING

(E) BV-1

(E) MWP-1

MWP-2

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

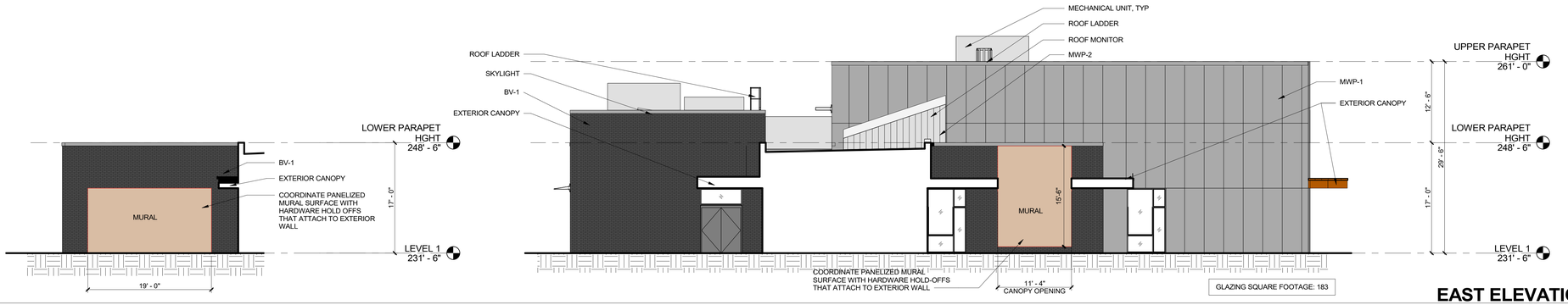
revisions

phase	LAND USE SUBMITTAL
date	1015/2021
project	21006

EXISTING EXTERIOR ELEVATIONS FOR REFERENCE ONLY

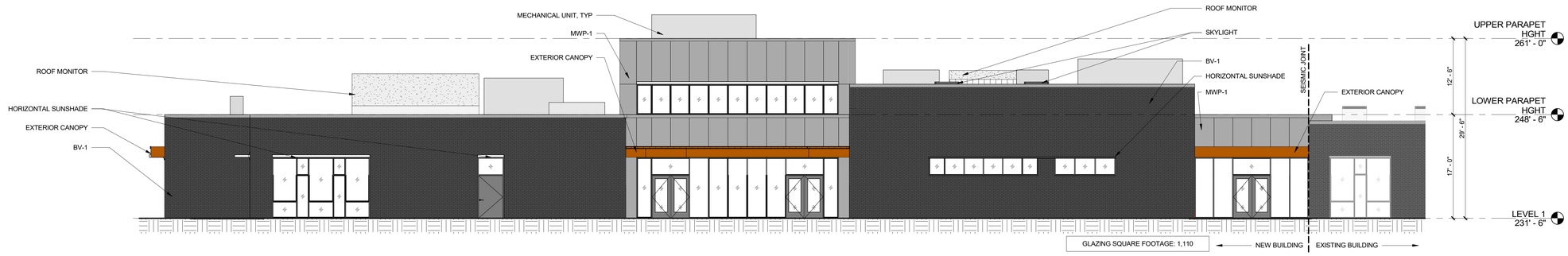
A3.10

11/1/2021 2:37:26 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt



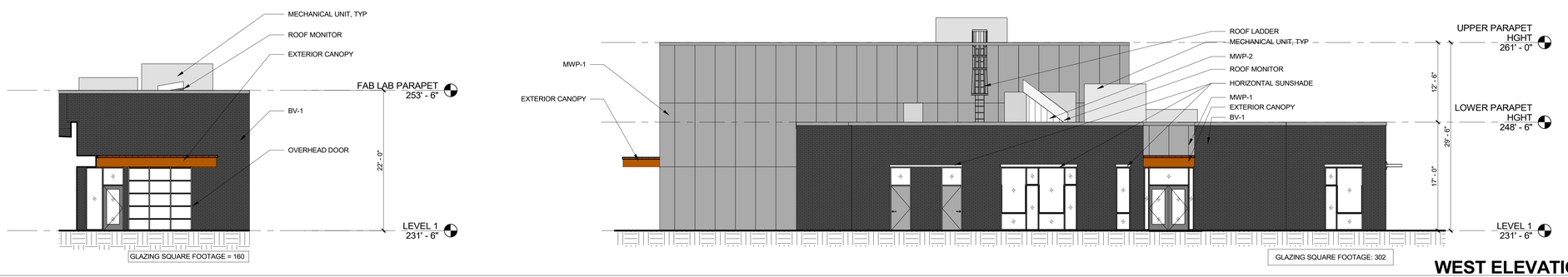
EAST ELEVATION 5

SCALE: 1/8" = 1'-0"



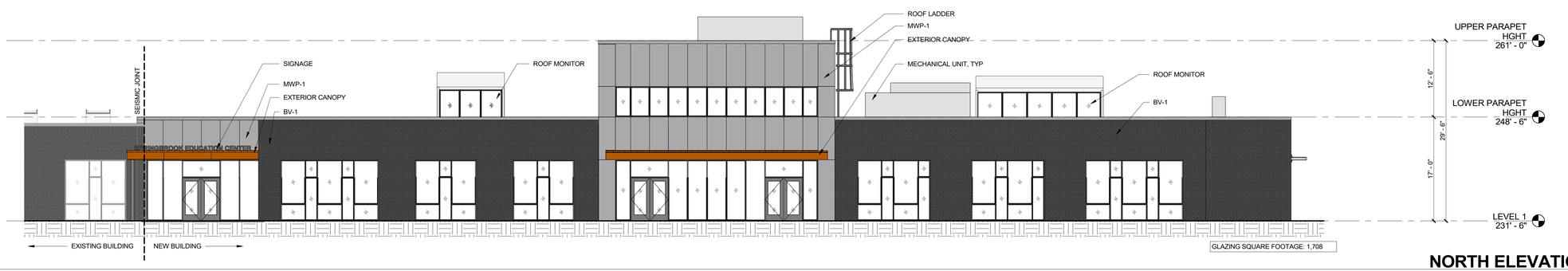
SOUTH ELEVATION 4

SCALE: 1/8" = 1'-0"



WEST ELEVATION 2

SCALE: 1/8" = 1'-0"



NORTH ELEVATION 1

SCALE: 1/8" = 1'-0"

LEGEND:

BRICK VENEER	METAL WALL PANEL	METAL WALL PANEL	EXTERIOR CANOPY	MECHANICAL UNIT	GLAZING
BV-1 TO MATCH EXISTING	MWP-1 TO MATCH EXISTING	MWP-2	TO MATCH EXISTING		

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

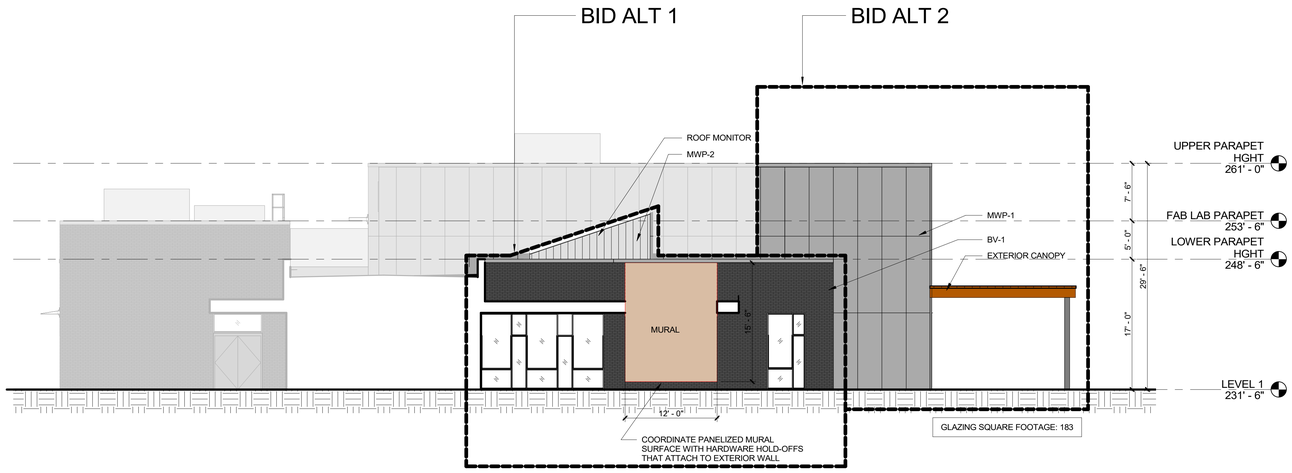
revisions

phase	LAND USE SUBMITTAL
date	1015/2021
project	21006

EXTERIOR ELEVATIONS-BASE BID

A3.11

11/1/2021 2:45:19 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt

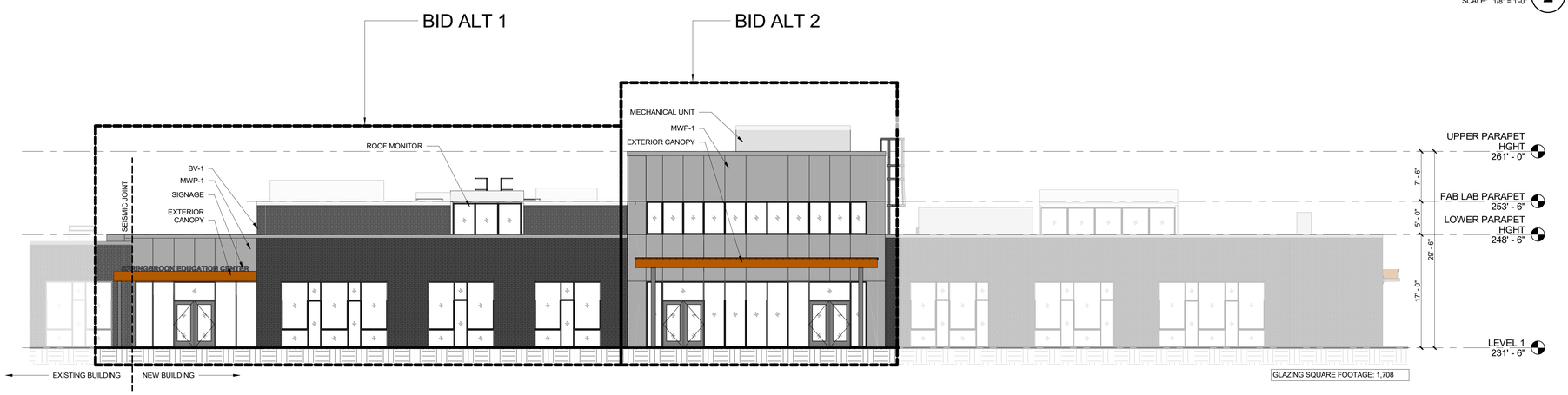


EAST ELEVATION BID ALTERNATE (3)

SCALE: 1/8" = 1'-0"

WEST ELEVATION BID ALTERNATE (2)

SCALE: 1/8" = 1'-0"



NORTH ELEVATION BID ALTERNATE (1)

SCALE: 1/8" = 1'-0"

LEGEND:

BRICK VENEER	METAL WALL PANEL	METAL WALL PANEL	EXTERIOR CANOPY	MECHANICAL UNIT	GLAZING
BV-1 TO MATCH EXISTING	MWP-1 TO MATCH EXISTING	MWP-2	TO MATCH EXISTING		

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

revisions	

phase	LAND USE SUBMITTAL
date	1015/2021
project	21006

EXTERIOR ELEVATIONS - BID ALTERNATE

A3.12

11/1/2021 2:33:18 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt

MAIN ENTRY PERSPECTIVE 1
SCALE:

BR|IC
ARCHITECTURE, INC.

NEWBERG
PUBLIC SCHOOLS

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

revisions	

phase	LAND USE SUBMITTAL
date	10/15/2021
project	21006

PERSPECTIVE RENDERING

A3.13

10/14/2021 3:40:12 PM
BIM 360://21006 Catalyst HS Addition/21004-Catalyst HS Add- Central.rvt

ABBREVIATIONS - ELECTRICAL

AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT-AMPERE
ADA	AMERICANS DISABILITIES ACT	KVAR	KILOVOLT-AMPERE REACTIVE
A	AMPERE (AMP)	LA	LIGHTNING ARRESTOR
AL	ALUMINUM	LED	LIGHT EMITTING DIODE
ARCH	ARCHITECT / ARCHITECTURAL	LRC	LIGHTING RELAY CONTROL PANEL
ATS	AUTOMATIC TRANSFER SWITCH	LTG	LIGHTING
AWG	AMERICAN WIRE GAUGE	LV	LOW VOLTAGE
C	CONDUIT	MATV	MASTER ANTENNA TELEVISION
CAT	CATEGORY CABLE	MAX	MAXIMUM
CB	CIRCUIT BREAKER	MCA	MINIMUM CIRCUIT AMPACITY
CCTV	CLOSED CIRCUIT TELEVISION	MCB	MAIN CIRCUIT BREAKER
CKT	CIRCUIT	MCC	MOTOR CONTROL CENTER
CLG	CEILING	MDP	MAIN DISTRIBUTION PANEL
CT	CURRENT TRANSFORMER	MECH	MECHANICAL
CU	COPPER	MH	METAL HALIDE
DN	DOWN	MIN	MINIMUM
DW	DISHWASHER	MLO	MAIN LUGS ONLY
EM	EMERGENCY	MOCP	MAXIMUM OVERCURRENT PROTECTION
EMT	ELECTRICAL METALLIC TUBING	MTS	MANUAL TRANSFER SWITCH
EP	EXPLOSION PROOF	MV	MEDIUM VOLTAGE
EPO	EMERGENCY POWER OFF	MW	MICROWAVE
EWC	ELECTRIC WATER COOLER	NIC	NOT IN CONTRACT
FA	FIRE ALARM	NL	NIGHT LIGHT CIRCUIT
FLA	FULL LOAD AMPS	PA	PUBLIC ADDRESS
FLUOR	FLUORESCENT	PE	PHOTOELECTRIC CELL
FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	PF	POWER FACTOR
		PNL	PANELBOARD
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	PVC	POLYVINYL CHLORIDE
		PWR	POWER
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER	REF	REFRIGERATOR
		SDP	SUB-DISTRIBUTION PANEL
GD	GARBAGE DISPOSAL	STR	STARTER
GEN	GENERATOR	SV	SOLENOID VALVE
GFP	GROUND FAULT PROTECTION	SW	SWITCH
GFI	GROUND FAULT INDICATOR	TD	TIME DELAY
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TP	TAMPERPROOF
GRC	GALVANIZED RIGID CONDUIT	TTB	TELEPHONE TERMINAL BOARD
GND	GROUND	TTC	TELEPHONE TERMINAL CABINET
HP	HORSEPOWER	TV	TELEVISION
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL
HV	HIGH VOLTAGE	UG	UNDERGROUND
HZ	HERTZ	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLTAGE
INC	INCANDESCENT	VA	VOLT-AMPERE
INV	INVERTER	VFD	VARIABLE FREQUENCY DRIVE
JB	JUNCTION BOX	VP	VAPORPROOF
KW	KILOWATT	W	WATTS
KWH	KILOWATT HOUR	WP	WEATHERPROOF
KV	KILOVOLT	XFMR	TRANSFORMER

DESIGNATION SYMBOLS

--- / 123	EQUIPMENT DESIGNATOR SEE SCHEDULE.
E / X	EXISTING TO REMAIN, EXISTING TO BE REMOVED
R / F	EXISTING TO BE RELOCATED, FUTURE
N	NEW, POINT OF CONNECTION
1	NOTE

LIGHTING

EMERGENCY	NORMAL	
NA		TRACK: WITH CURRENT LIMITER, WITHOUT CURRENT LIMITER
		RECESSED DOWNLIGHT:: SQUARE, ROUND
		RECESSED WALLWASHER: SQUARE, ROUND
		RECESSED ADJUSTABLE ACCENT: SQUARE, ROUND
		DOWNLIGHT: SURFACE: SQUARE, ROUND
		WALL WASHER: SURFACE SQUARE, ROUND
		ADJUSTABLE ACCENT: SURFACE: SQUARE, ROUND
		ADJUSTABLE ACCENT: MULTILAMP
		LINEAR: RECESSED
		LINEAR: RECESSED ASYMMETRIC
		LINEAR: SURFACE
		LINEAR: SURFACE ASYMMETRIC
		LINEAR: SUSPENDED
		LINEAR: SUSPENDED ASYMMETRIC
		LINEAR: WALL MOUNTED
		LINEAR: WALL MOUNTED ASYMMETRIC
		STRIP LIGHT
NA		LINEAR: UNDERCABINET
		LINEAR ACCENT: ARCHITECTURE INTEGRATED
		PENDANT: SQUARE, ROUND
	NA	EXIT SIGN: TOP SURFACE OR TOP RECESSED: SINGLE , DOUBLE
	NA	EXIT SIGN: SIDE OR FLAG MOUNT: SINGLE , DOUBLE
	NA	EXIT SIGN: BACK SURFACE MOUNT
		WALL MOUNTED: RECESSED: SQUARE, ROUND
		WALL MOUNTED: SURFACE: SQUARE, ROUND
		POLE-MOUNTED: AREA: SQUARE, ROUND
		POLE-MOUNTED: STREET: RECTANGULAR, OVAL
		POLE-MOUNTED: PEDESTRIAN: SQUARE, ROUND
		BOLLARD 360: SQUARE, ROUND
		BOLLARD 180: SQUARE, ROUND
NA		INGRADE SQUARE, ROUND
NA		INGRADE ADJUSTABLE SQUARE, ROUND
NA		FLOOD LIGHT
CS XX		CONTROL STATION. REFER TO SCHEDULE.
S	S^2	WALL SWITCH: 1 POLE, 2 POLE
S^3	S^4	WALL SWITCH: 3 WAY, 4 WAY
S^K	S^M	WALL SWITCH: KEY LOCK, MOMENTARY
S^{LV}	S^P	WALL SWITCH: LOW VOLTAGE, PILOT
S^T	S^D	WALL SWITCH: TIMER, MANUAL DIMMER
S^{OS}	S^{OS}_D	WALL COMBINATION OCCUPANCY SWITCH, OCCUPANCY DIMMER
S^{OS}	S^{OS}_D	WALL COMBINATION VACANCY SWITCH, VACANCY DIMMER
PE	PE	PHOTOELECTRIC CELL: WALL MOUNTED, CEILING MOUNTED
OS X	OS X	OCCUPANCY SENSOR: CEILING OR WALL MOUNTED
OS X	OS X	VACANCY SENSOR: CEILING OR WALL MOUNTED "X" DESIGNATES DEVICE TYPE: U: ULTRASONIC R: INFRARED DT: DUAL TECHNOLOGY
L#		DESIGNATES LUMINAIRE TYPE (SEE LUMINAIRE SCHEDULE)
EM		DESIGNATES EMERGENCY FIXTURE
a,b,c,d,e...etc		DESIGNATES STANDALONE CONTROL ZONE.
42.	PNL:42.	DESIGNATES LIGHTING CIRCUIT, PANEL:CIRCUIT.
Z###		DESIGNATES NETWORK CONTROL ZONE. REFER TO SCHEDULE REFER TO ZONE SCHEDULE FOR CIRCUITING OF NETWORKED LIGHTING.

FIXTURE TYPE	IMAGE	PRODUCT DESCRIPTION	BASIS OF DESIGN MANUFACTURER	SIZE	INPUT WATTS	LAMP SOURCE	DRIVER / BALLAST	INPUT VOLTAGE	FINISH	MOUNTING	NOTES	ALTERNATE MANUFACTURER(S)
S1-2		SITE AREA LIGHT ON 20' ROUND POLE TYPE II DISTRIBUTION WITH HOUSE-SIDE SHIELD	LITHONIA DSX0 SERIES	26" L x 13" W	71W	LED 3000K 7865 LM 70+ CRI	INTEGRAL ELECTRONIC 0-10V DIM	120V	STANDARD FINISH TO MATCH EXISTING SITE LIGHTING	POLE ARM		COOPER LIGHTING LIGMAN LIGHTING
S1-5		SITE AREA LIGHT ON 20' ROUND POLE TYPE V DISTRIBUTION	LITHONIA DSX0 SERIES	26" L x 13" W	71W	LED 3000K 8141 LM 70+ CRI	INTEGRAL ELECTRONIC 0-10V DIM	120V	STANDARD FINISH TO MATCH EXISTING SITE LIGHTING	POLE ARM		COOPER LIGHTING LIGMAN LIGHTING
S2		SITE PEDESTRIAN POST TOP LIGHT ON 16' POLE SYMETRIC DISTRIBUTION, HIGH OUTPUT	LOUIS POULSEN KIPP POST TOP SERIES	30.4" D x 18.1" H	82W	LED 3000K 6888 LM 70+ CRI	INTEGRAL ELECTRONIC 0-10V DIM	120V	STANDARD NATURAL ALUMINUM	POLE POST-TOP		BEGA LIGMAN LIGHTING
PGE-N		ROADWAY LIGHT ON 25' UTILITY POLE TYPE II DISTRIBUTION WITH 7-PIN PHOTOCELL RECEPTACLE	LEOTEK GCM2 SERIES	16"	88W	LED 3000K 10,230 LM	INTEGRAL ELECTRONIC	120V-277	GREY	POLE ARM		
E1		EXISTING SITE AREA LIGHT	LITHONIA AST2	-	350W	HIGH-PRESSURE SODIUM	INTEGRAL ELECTRONIC	120V	-	POLE ARM		
E2		EXISTING SITE PEDESTRIAN LIGHT	LOUIS POULSEN KIPP POST TOP SERIES	-	85W	-	INTEGRAL ELECTRONIC	120V	-	POLE POST-TOP		

BRIC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

PAE
pae-engineers.com

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

revisions

phase	50% Design Development
date	10/01/2021
project	21006

SYMBOLS, LEGENDS AND ABBREVIATIONS - LAND USE

E0.01L

10/15/2021 8:43:06 AM
BIM 360://21006 Catalyst HS Addition/21-1081 MEP20 Central.rvt

GENERAL NOTES:

A. EXTERIOR LIGHTING SCOPE OF WORK IS TO PROVIDE NEW POLE AREA AND POLE PEDESTRIAN LIGHTS TO NEW PARKING LOT AND NEW STUDENT HANGOUT SPACES.

B. EXISTING PARKING LOT POLE AREA LIGHTS ARE TO REMAIN.

NOTES:

1. PROVIDE UNDERGROUND UTILITY SPLICE VAULT TO EXTEND PGE UNDERGROUND PRIMARY CONDUIT TO NEW TRANSFORMER LOCATION. LOCATE WITHIN LANDSCAPE.

2. PROVIDE LUMINAIRE WITH HOUSE-SIDE SHIELD TO LIMIT LIGHT TRESPASS AT PROPERTY LINE.

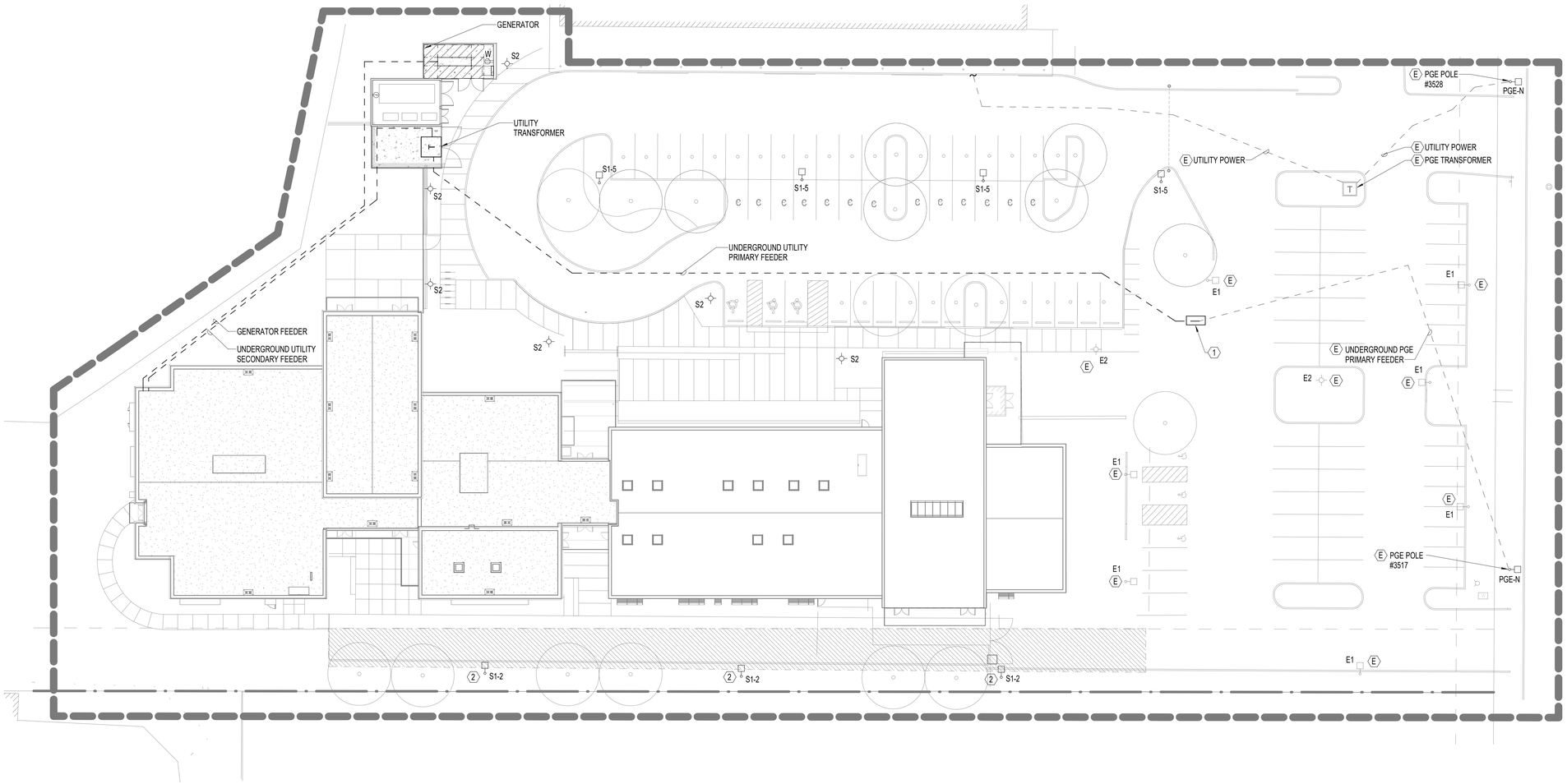
STREETLIGHT UPGRADES:

A. CITY OF NEWBERG RIGHT OF WAY STREETLIGHTING UPGRADES SHALL BE DISCUSSED AND COORDINATED WITH THE CITY OF NEWBERG ENGINEERING DEPARTMENT. WORK TO BE COORDINATED WITH PGE INDEPENDENT OF THE BUILDING PERMIT.

B. PGE CONTACT: RICO SOLIS, OUTDOOR LIGHTING SERVICES, 503-403-9084

C. EXISTING PGE STREETLIGHT LUMINAIRES, 29W LEOTEK ROADWAY, TO BE REPLACED WITH NEW 88W LEOTEK ROADWAY. SALVAGE EXISTING LUMINAIRE.

D. REUSE EXISTING POLE-MOUNTED 4' MOUNTING ARM.



1 SITE PLAN - ELECTRICAL
1" = 20'-0"

BRIC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

PAE
pae-engineers.com

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

revisions	

phase	50% Design Development
date	10/01/2021
project	21006

LAND USE - SITE PLAN - ELECTRICAL

E0.10L

10/15/2021 8:43:17 AM
BIM 360://21006 Catalyst HS Addition/21-1081 MEP20 Central.rvt

CITY OF NEWBERG PHOTOMETRIC REQUIREMENTS:

A. LUMINAIRES MOUNTED LESS THAN 6-FEET: NO FOOT-CANDLE REQUIREMENTS.

B. LUMINAIRES MOUNTED BETWEEN 6-FEET AND 15-FEET: MAXIMUM 0.5 FOOT-CANDLES AT PROPERTY LINE.

C. LUMINAIRES MOUNTED ABOVE 15-FEET: HOUSE-SIDE SHIELD REQUIRED AND MAXIMUM 0.5 FOOT-CANDLES AT PROPERTY LINE.

D. BUILDING MOUNTED LUMINAIRES: NO REQUIREMENTS.

PHOTOMETRIC RESULTS:

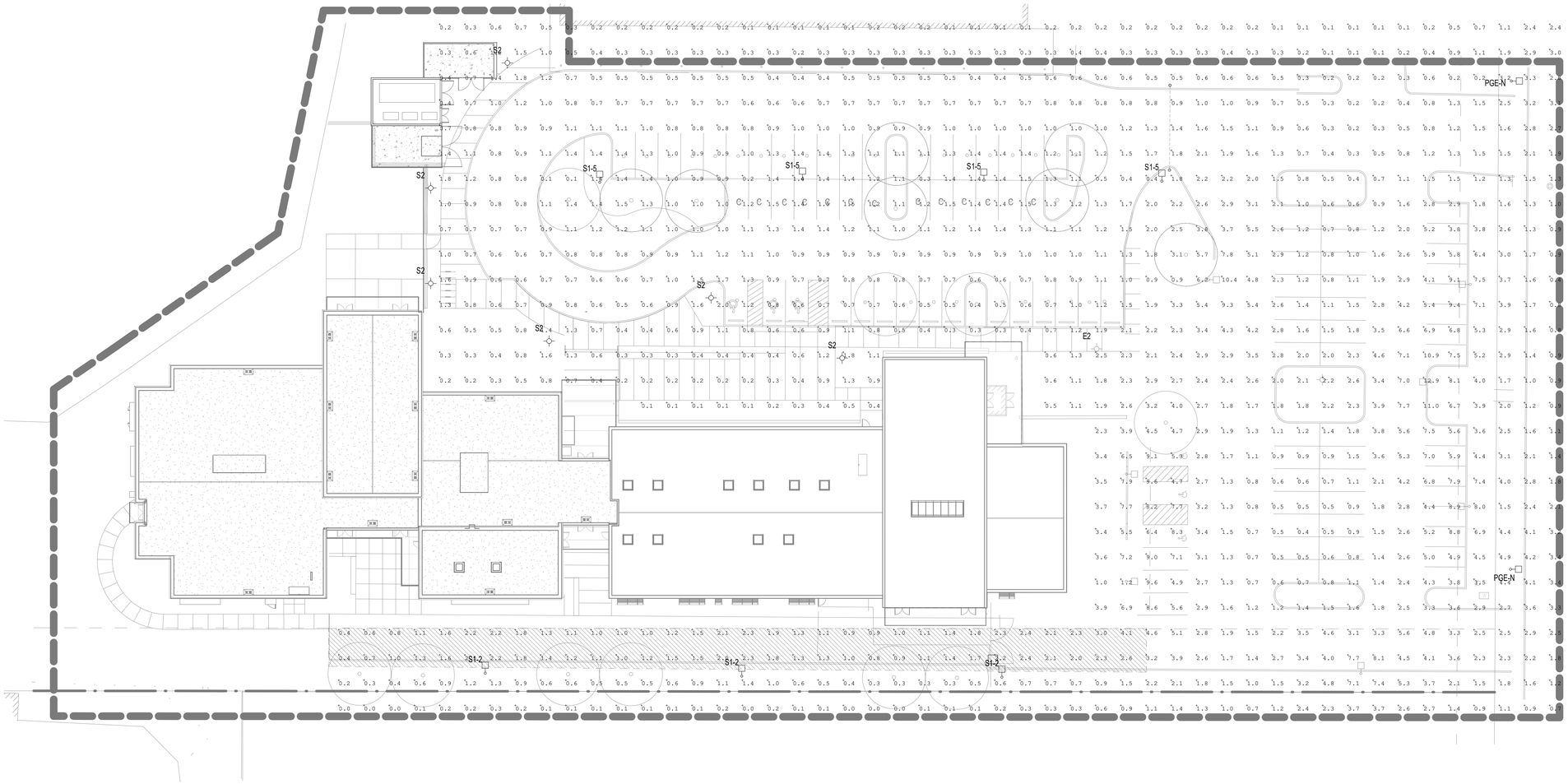
1. NORTH PARKING LOT
   a. AVERAGE: 1.08 FC
   b. MAXIMUM: 10.0 FC
   c. MINIMUM: 0.1 FC

2. SOUTH ACCESS LANE
   a. AVERAGE: 1.27 FC
   b. MAXIMUM: 6.8 FC
   c. MINIMUM: 0.1 FC

3. EXISTING EAST PARKING LOT
   a. AVERAGE: 3.30 FC
   b. MAXIMUM: 11.6 FC
   c. MINIMUM: 0.1

4. EXISTING STREET LIGHTING
   a. AVERAGE: 0.39 FC
   b. MAXIMUM: 1.1 FC
   c. MINIMUM: 0.1 FC

5. UPGRADED STREET LIGHTING
   a. AVERAGE: 1.25 FC
   b. MAXIMUM: 3.5 FC
   c. MINIMUM: 0.1 FC



1 SITE PLAN - ELECTRICAL
1" = 20'-0"

10/15/2021 8:43:27 AM
BIM 360://21006 Catalyst HS Addition/21-1081 MEP20 Central.rvt

BR|IC ARCHITECTURE, INC.

NEWBERG PUBLIC SCHOOLS

PAE
pae-engineers.com

CATALYST ADDITION

1421 Deborah Rd, Newberg, OR 97132

NEWBERG PUBLIC SCHOOLS
T (503) 554-5000

NOT FOR CONSTRUCTION

revisions	

phase	50% Design Development
date	10/01/2021
project	21006

LAND USE - SITE PLAN - PHOTOMETRICS

E0.11L