



Riverside HS

Site Inventory & Analysis





SITE LEGEND:

- 1 Multipurpose Field (resurface)
- 2 Concession Building
- 3 Ticket Booth
- 4 Turf Stabilization
- 5 Walkways from Bus Transfer
- 6 Entry Courtyard

Riverside HS

Schematic Design



DRAWING LIST - RIVERSIDE INSTITUTE OF TECHNOLOGY

- General**
 - G-001 General Notes, Legends & Drawing List
- Landscape**
 - L-000 Existing Conditions/ Survey
 - L-002 Demolition Plan
 - L-101 Site Layout Plan
 - L-102 Site Layout Plan Alternate Field Size
- Civil**
 - C-101 Grading, Drainage & Utility Plan
- Architectural**
 - A-101 First Floor Plans - Concession Building & Ticket Booth
- Plumbing**
 - P-101 Plumbing First Floor Plan
- Electrical**
 - E-101 Electrical Site Plan

Drawing symbols

View title Detail no. X Title SCALE: X"=1'-0"	Exterior elevation Elevation no. X Drawing no. A-XXX	Door numbers 001 OR 100 Window type 101 Room number
Building / wall section cut Detail no. X Drawing no. A-XXX Viewing direction	Interior elevations Elevation no. 1, 2, 3, 4 Drawing no. A-XXX	Revision C12 OR C12A Partition type 1 Plan key note
Detail section cut Detail no. X DRAWING NO. A-XXX Viewing direction	Structural grid 1, 2, A, B	Demolition key note 1 Ceiling type and height 8'-0" AFF
Detail - blow up Detail no. X Drawing no. A-XXX	Accessibility V/HAU Visual / hearing accommodation unit Accessible unit	

Material symbols

Undisturbed earth	Steel - large scale (Other metals as noted)	Batt insulation
Gravel or crushed stone	Steel - small scale (Other metals as noted)	Rigid insulation
Stone	Wood framing (continuous)	Wood blocking (intermittent)
Concrete	Finish wood	
Concrete masonry unit	Plywood	
Brick	Gypsum, sand, mortar	

Architectural / Structural abbreviations

AB Anchor bolt	DWV Drainage waste & vent	LH Left hand, Latent heat	RF Resilient flooring
ACC Accessible	DWG Drawing	LN Liner	RFG Roofing
ACCU Air cooled condensing unit	DWL Dowel	LKR Locker	RH Right hand, Roof hatch
ACI American Concrete Institute	E East	LL Live load	RM Room
ACT Acoustical ceiling tile	EA Eave	LLH Long leg horizontal	RO Rough opening
ACM Asbestos containing material	EBONY Existing Building Code of New York State	LLV Long leg vertical	ROW Right of way
ACUS PNL Acoustical panel	EC Electrical contractor	LOC Location	RTU Roof top unit
ACS PNL Access panel	EF Each floor	LR Load & resistance factor design	RV Roof vent
ADJ Adjustable, adjacent	EFS Exterior insulation and finish system	LT Light	RWB Rubber wall base
ADJL Additional	EQ Expansion joint	LTG Lighting	S South
ADJL Adjustable, adjacent	ELAS Elastomeric	LWC Light-weight concrete	SAB Sound attenuation batts
ADH Adhesive	EL Elevation	LMCH Machine	SAN Sanitary
AFF Above finished floor	ELEC Electrical	MANT Maintenance	SC Solid core, Shading coefficient
AGGR Aggregate	ELEV Elevator	MAS Masonry	SCHED Schedule
AHU Air handling unit	EM Entry mat, Expanded metal	MA Material	SEAL Sealer on floor (finish)
AISC American Institute of Steel Construction	EMER Emergency	MAX Maximum	SECT Section
ASIS American Iron and Steel Institute	ENCL Enclosure	MC Mechanical contractor	SF Square foot, Safety factor
ALT Alternate	ENGR Engineer	MEB Metal corner bead	SFR Stripped fire-resistive
ALUM Aluminum	EOS Edge of slab	MDO Medium density overlay	SGT Square foot, Shading coefficient
ANOD Anodized	EPF Electric panel	ME Medium density fiberboard	SP Specification
APPROX Approximate	EQ Equal	MECH Mechanical	SPA Spacing
ARCH Architectural	EQUIP Equipment	MEZ Mechanical, electrical, plumbing and fire protection	SPT Sheet
ARD Auxiliary roof drain	ES Emergency shower	MEZZ Mezzanine	SR Shower
ASD Allowable stress design	ETC Etcetera	MFR Manufacturer	SRM Sill
ASTM American Society for Testing and Materials	ETR Existing to remain	MH Manhole	SOG Slab on grade
AWP Acoustical wall panel	EW Each way	MM Millimeter	SPR Spacing
AWRS American Welding Society	EWRC Electric water cooler	MIR Mastic/interpenetrating fire-resistive coating	SPEC Specification
BAT Battens	EXC Excavation, Excavate	MISC Miscellaneous	SQ Square
BB Back to back	EXP Expand, Expansion	MLWK Millwork	SRO Secondary roof drain
BBD Base board	EXT Exterior, External, Extinguisher	MO Masonry opening	SS Service sink
BCNYS Building Code of New York State	FAFP Face to face	MKB BD Marker board	SSM Solid surface material
BD Board	FAFP Fire alarm annunciator panel	MTD Mounted	SSP Stainless steel pipe
BLDG Building	FACP Fire alarm control panel	MTL Metal	ST Stainless steel
BLKG Blocking	FD Floor drain	MUL Mulch	ST Station
BM Beam, Benchmark	FDN Foundation	N North	STC Sound transmission class
BSOT Butt joint	FE Fire extinguisher	NAT Natural	STD Standard
BR Bedroom	FEC Fire extinguisher cabinet	NCCMBL Noncombustible	STIFF Stiffener
BRG Bearing	FHC Fire hose cabinet	NI Noninsulated	STL Steel
BRZ Bronze	FN NO GR #	NO GR # Number	STOR Storage
BSMT Basement	FXT Fixture	NOM Nominal	STR Straight, Stringers
BSWNT Basement	FLASH Flashing	NORM Normal	STRUCT Structural
BUR Built up roofing	FLEX Flexible	NRC Noise reduction coefficient	SUSP Suspended
BW Both ways	FLUR Fluorescent	NTS Not to scale	SW Sheel vinyl
CCTV Closed circuit television	FTG Footing	NOW Normal weight concrete	SY Square yard
CAB Cabinet	FTR Finned tube radiation	O/O Out to out	T Tread
CB Chalk board, Corner bead	FURN Furnace, Furnish, Furnish	OA Overall, Outside air	TI Top of
CH BD Chalkboard	FUT Future	OC On center	TAB Top and bottom
CEM Cement	FWC Fabric wall covering	OD Outside diameter	TAG Tongue and groove
CF Contractor furnished	GA Galvanneal (coating) door	OF/OI Owner furnished, Contractor installed	TEL Telephone
CFMF Cold formed metal framing	GAL Galvanneal	OF/OI Owner furnished, Owner installed	THRES Threshold
CFI Contractor furnished/ Contractor installed	GALV Galvanized	OFD Overflow drain	TEMP Temporary
CFI Contractor furnished/ Owner installed	GALV Galvanized	OFF Office	TER Terrazzo
CG Corner guard	GB Grab bar	OH Overhead	TK BD Track board
CH Cast iron	GEN General contractor	OP Opening	TKPD Track panel
CI Cast iron	GFRC Glass fiber reinforced concrete	OPN Opening	TMPD Temporary
CP Cast in place, Cast iron pipe	GFRG Glass fiber reinforced gypsum	OPP Opposite	TOC Top of concrete
CJ Control joint	GL Glass	OPT Optional, Optimum	TOM Top of masonry
CL Centerline	GLBK Glass block	PA Public address	TOPO Topography, Topographic
CLO Ceiling	GLU LAM Glued laminated beam	PB Particulate	TOS Top of steel
CLO Close	GR Grit, Gress	PC Plumbing contractor, Portland cement	TOW Top of wall
CLR Clear, Color	GWT Glazed wall tile	PCC Precast concrete	TPD Toilet paper dispenser
CMT Ceramic mosaic tile	GLU Gypsum	PCT Porcelain ceramic tile	TSTAT Thermostat
CMU Concrete masonry unit	GRB Gypsum board	PEND Pendant	TV Television
CNTR Counter	GYP Gypsum	PER Perforated	TY Typical
COL Column	GYP BD Gypsum board	PERF Perforated	U Undercut
CONC Concrete	GYP PLAS Gypsum plaster	PERF Perforated	UC Under cabinet lighting
CONF Conference	HS Hose bibb	PL Plate, Property line	UGND Underground
CONN Connection	HC Hollow core, Hose cabinet	PLF Pile, Property line	UH Unit heater
CONSTR Construction	HCP Handicapped	PLM Plastic laminate	UL Underwriter's laboratories
CONT Containment	HGW Hardware	PLAS Plaster	UNEX Unexcavated
CONTR Contractor	HW Hardwood	PLUM Plumbing	UNFIN Unfinished
COORD Coordinate	HLD Hold open	PLWD Plywood	UNF Unfinished
CPT Carpet	HORIZ Horizontal	PN Panel	UNV Unit ventilator
CSJ Construction joint	HP High point, Horsepower	PC Porcelain	VARN Varnish(ed)
CSK Counter sunk	HR Hour	POS Positive, Position	VB Vinyl base
CT Ceramic tile, Count, Current transformer	HSS Hollow structural section	PPT Pressure-preservative treated	VCT Vinyl composition tile
CTR Center	HT Height	PREFAB Prefabricate	VENT Ventilation
CW Cold water piping, Casement window	HTR Heater	PREFIN Prefinish	VERT Vertical
CJ Cubic	HVAC Heating, ventilating and air conditioning	PREP Preparation	VEST Vestibule
CJH Cabinet unit heater	HYP Hydrant	PROJ Projection screen	VF Vinyl
CU Yard	ID Inside diameter	PROJ SCR Projection screen	VN Vapor retarder
CU YD Cubic yard	IN Inches	PSI Pounds per square inch	VOL Volume
D Deep, Depth	INCL Included	PT Partitions	VTI Vinyl tile
D Diameter	INCAND Incandescent	PTN Partitions	V-SHT Vinyl sheet
D Dia OR e	INFO Information	PVC Polyvinyl chloride (plastic)	VWC Vinyl wall covering
D Dia OR e	INSUL Insulation	QU Quarry tile	W West
DIAM Diameter	INTERM Intermediate	QTY Quantity	WC Water closet, Wall covering
DIAG Diagram	INT Interior	R Riser, Radius, Thermal resistance	WID Width
DIAG a	JAN Janitor	RB Rubber base, Resilient base	WD Wood
DIAM Diameter	JST Joint	RCP Reinforced concrete pipe, Reflected ceiling plan	WDO Window
DIM Dimension	JT Joint	RD Roof drain, Road	WH Water heater
DIFF Diffuser	KIP 1000 Pounds	REC Recessed	WI Wrought iron
DIR Direction	LAM Laminate(s)	REF Refrigerator	WM Wire mesh
DISP Dispenser	LAU Laundry	REG Register, Regulation	WP Waterproofing, Working point
DIV Division	LAV Lavatory	RENF Reinforced	WR Water repellent, weather resistant
DMPF Damp proofing	LB Pound	REQ Required	WSCPT Wirecot
DL Dead load	LD Load	RESIL Resilient	WTF Weir, Watertight, Water table
DN Down	LF Linear feet (foot)	REV Revision	WTF Weir, Watertight, Water table
DO Ditch			X By
DR Door, Drive			YD Yard
DS Downspout			
DW Dishwasher			

Drawn By: JMB
Checked By: JMB
Project Manager: WP

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Revisions

City of Buffalo Parks & Buffalo
Public School Facilities Survey &
Design Development
SWBR Project Number 18630

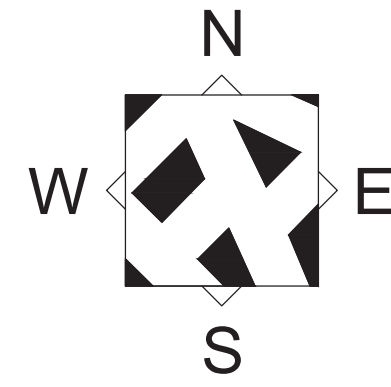
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G-001

RT

General Notes,
Legends & Drawing
List

3.29.2019
Design Development



REPUTED OWNER
CITY OF BUFFALO
RIVERSIDE HIGH SCHOOL

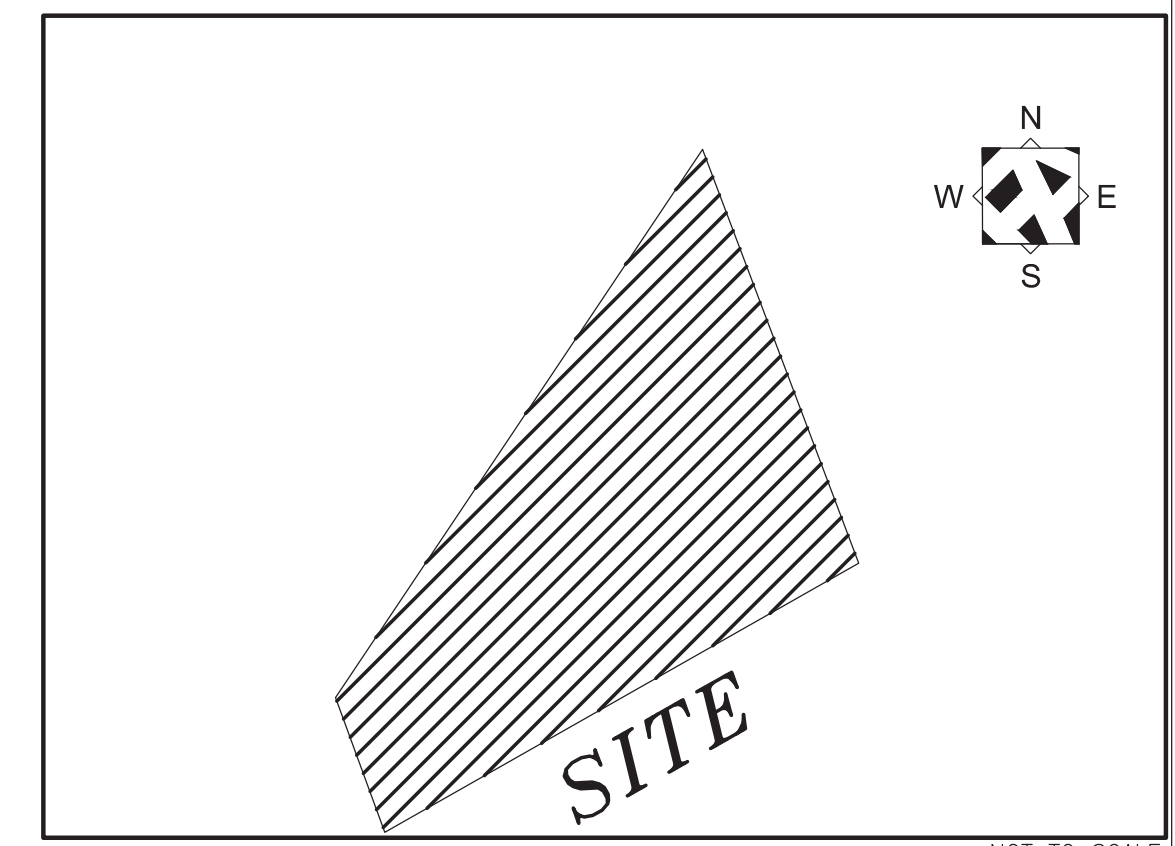
REVIEW PLACE

REPUTED OWNER
PAUL VALINT

REPUTED OWNER
CITY OF BUFFALO
CORNELIUS CREEK

REPUTED OWNER
OUTPARCELS
ACQUISITIONS INC.

REPUTED OWNER
ONTARIO PLAZA ASSOCIATES



VICINITY MAP

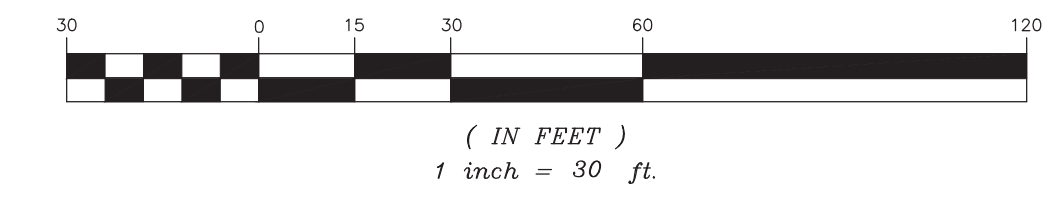
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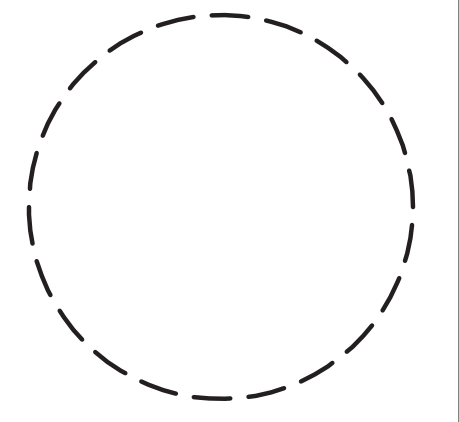
LEGEND

Table with 3 columns: Symbol/Line Style, Description, and Symbol/Line Style. Includes categories like EDGE OF PAVEMENT, POOL, PILE, GUARDRAIL, FOUNDATION, UNDER CONSTRUCTION, FENCE_GATE, MARSH OUTLINE, RUNWAY, RIVER, POND, LAKE, AIRFIELD PAVED, HEDGE, PAVED GUTTER, AIRFIELD SHLDR, DIRTROAD, HEADWALL, AIRFIELD PAINT, BUILDING (RES.), DAM, HELICOPTER PAD, MISCLINE, PIPE END, ABANDONED RR, RETAINING WALL, CEMETERY, PAVED PARKING, CURB, RECREATION UNPAV, UNPAVED PARKING, INDEX OBS INDEX, TANK, AERIAL TC BOX, INTER OBS INTER, RECREATION PAVED, PIPE, INDEXD OBS INDEXD, TRAIL, AIR VENT, INTERD OBS INDTERD, BUILDING (MISC), HEAT PUMP / AC, SIDEWALK, CREEK, VALVE, DECK, SOFTBREAK, LANDSCAPE, STEPS, HARBREAK, END_EXP_JOINT, GRID (w/text), OBSURED AREA, ROAD CENTERLINE, RR, UNPAVED SHOULDER, UTILITY BOX, SIGN/OH SIGN, CANOPY, GREENS, ROAD PAINT, FENCE_GATE, TRAPS_BUNKERS, PKG PAINT, PHONE, TEES, TRAVELWAY, GUY, INDEFINITE AREA, PAVED_DRIVE, RAMP, CULTIVATED_FIELD, UNPAVED_DRIVE, SMOKE, DOCK, BRUSH, OH PIPE, BRIDGE_CURB, CONTEXT, OH WALK, BRIDGE_SIDEWALK, BRIDGE, CONVEYOR, MID_EXP_JOINT, MAPPING_LIMITS, LANDFILL, BRIDGE_BREAK, SLAB_CONCRETE, OPEN_STORAGE, OBSCURED_BREAK, WALL, ROUND, HANDI-CAP, SQUARE, VALVE, DI, FIREHYD, FLAG, DECIDUOUS_BUSH, SWAMP, UNOB, CONIFEROUS_BUSH, PWRPOLE, RAILSIG, TC, TOWER (LINE), RAILSW, MH, CULV (LINE), TRABOX, LAMPOST, CEMETERY, RUNLIGHT, POST, AC or HEAT PUMP, TAXLIGHT, DECIDUOUS_TREE, POLES (MISC), TRASIG, CONIFEROUS_TREE, DTM_SPOT, TREEBOLE, SIGN, OBS_DTM_SPOT, MB, POST, ANTENNA, VERT, SPOT, SAT.DISH, HOR, SPOT, GUY (LINE), HV

GRAPHIC SCALE



SWBR
387 East Main Street Rochester NY 14604
585 232 8300 | rochester@swbr.com
FoitAlbert ASSOCIATES
Architecture, Engineering, Surveying, Environmental
200 West Genesee Street, Suite 200
Buffalo, NY 14203 | P: 716.856.9100 www.foitalbert.com



Drawn By: SS
Checked By: MP
Project Manager: M. POHL

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Revisions table with columns for revision number, description, and date.

City of Buffalo Parks & Buffalo Public School Facilities Survey & Design Development
SWBR Project Number 18630.00

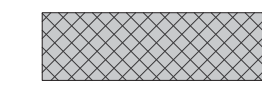
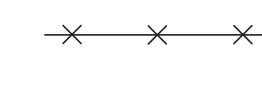
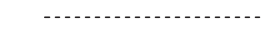


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L-000
Riverside
Existing
Conditions/Survey

03.29.2019
Design Development Set



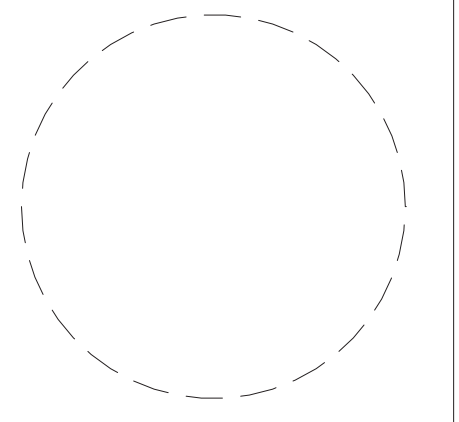
DEMOLITION LEGEND

-  DEMOLISH EXISTING BUILDING AND DISPOSE OFF SITE. CONCRETE FOUNDATIONS/WALLS/SLABS AND GRANULAR BASE MATERIALS TO BE REMOVED.
-  SITE ELEMENT TO BE REMOVED AND DISPOSED OFF SITE IN A LEGAL MATTER.
-  SAW CUT LINE
-  TREE TO REMAIN AND BE PROTECTED
-  TREE TO BE REMOVED

GENERAL DEMOLITION NOTES

1. CONTRACTOR TO REMOVE & DISPOSE OF ALL ITEMS INDICATED & ANY ITEMS INCIDENTAL TO THE CONSTRUCTION AS REQUIRED.
2. CONTRACTOR TO PROTECT/PRESERVE ALL EXISTING ITEMS TO REMAIN, INCLUDING BUT NOT LIMITED TO BUILDINGS, PAVEMENT, OVERHEAD & BURIED UTILITIES, TREES, LANDSCAPE, ETC. DAMAGE TO ITEMS SCHEDULED TO REMAIN SHALL BE REPAIRED OR REPLANTED AT NO ADDITIONAL COST TO THE OWNER.
3. UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL HAVE ALL UNDERGROUND FACILITIES LOCATED AND MARKED PRIOR TO EXCAVATION/DEMOLITION CONSTRUCTION.
4. REMOVE CONCRETE SIDEWALK AND/OR PAVEMENT TO THE LIMITS INDICATED. SAW CUT CONCRETE TO THE NEAREST EXISTING CONTROL/EXPANSION JOINT.
5. CONTRACTOR SHALL MARK TREES (DESIGNATED FOR REMOVAL) IN THE FIELD AND OBTAIN OWNER'S ON-SITE REPRESENTATIVE APPROVAL PRIOR TO BEGINNING REMOVALS.
6. CLEAR AND GRUB ALL VOLUNTEER VEGETATION, AS INDICATED.
7. ALL EXISTING SITE FURNITURE TO BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED.

SITE DEMOLITION NOTES	
NO.	DESCRIPTION
1	REMOVE AND DISPOSE OF CHAIN LINK FENCE FABRIC. POST TO REMAIN EMBEDDED IN EXISTING GRADE BEAM.
2	REMOVE AND DISPOSE OF CHAIN LINK FENCE INCLUDING CONCRETE FOOTER
3	RELOCATE STEEL FRAM STRUCTURE TO LOCATION IDENTIFIED BY OWNERS REPRESENTATIVE
4	REMOVE AND DISPOSE OF EXISTING GATES (TO BE REPLACED)
5	REMOVE AND SALVAGE EXISTING SIGNS
6	REMOVE AND DISPOSE OF EXISTING WOOD FRAME TICKET BOOTH
7	REMOVE AND SALVAGE FENCE FABRIC. ADD MOW STRIP BELOW FENCE AND REPLACE FABRIC.
8	EXISTING FLAGPOLE TO REMAIN. PROTECT DURING CONSTRUCTION
9	REMOVE CHAIN LINK FENCE FABRIC AND SALVAGE. CLEAR AND GRUB ALL VOLUNTEER VEGETATION. CONSTRUCT MOW STRIP. REINSTALL FENCE FABRIC.
10	REMOVE EXISTING SCOREBOARD. STRUCTURAL COLUMNS AND FOUNDATIONS TO REMAIN.



Drawn By: MMF
 Checked By: BP
 Project Manager: BP

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Revisions

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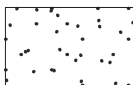
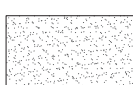
















L-002
 Riverside
 Demolition Plan

03.29.2019
 Design Development Set

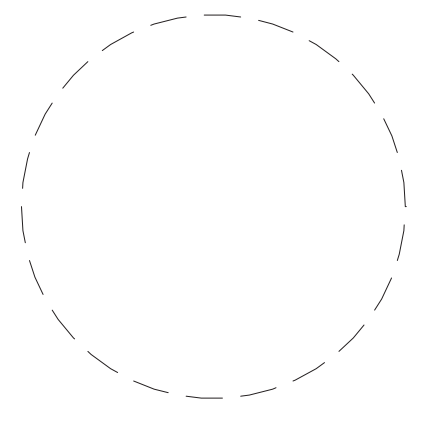


1 RIVERSIDE DEMOLITION PLAN
 1" = 40'-0"

LANDSCAPE AND PAVING LEGEND

-  PROPERTY LINES
-  CONCRETE
-  LAWN (TOPSOIL AND SEED)
-  STONE DUST WALKING SURFACE
-  SYNTHETIC TURF ATHLETIC FIELD
-  NEW SOD TO REESTABLISH FIELD EDGE (BASEBALL/SOFTBALL)
-  PROPOSED PLANT BED
-  ASPHALT WALKWAY
-  EXISTING TREE TO REMAIN
-  PROPOSED TREE
-  FENCE
-  FIELD LIGHTING
-  PATHWAY LIGHTING
-  LAMPPOLE TO REMAIN
-  SECURITY CAMERA
-  SCOREBOARD
-  COMBINATION FOOTBALL / SOCCER GOAL
-  BIKE RACK
-  DOG WASTE STATION
-  6' METAL BENCH

SYNTHETIC TURF FIELD
COMPLIES WITH NFHS FIELD SIZE STANDARDS FOR FOOTBALL, SOCCER, AND LACROSSE



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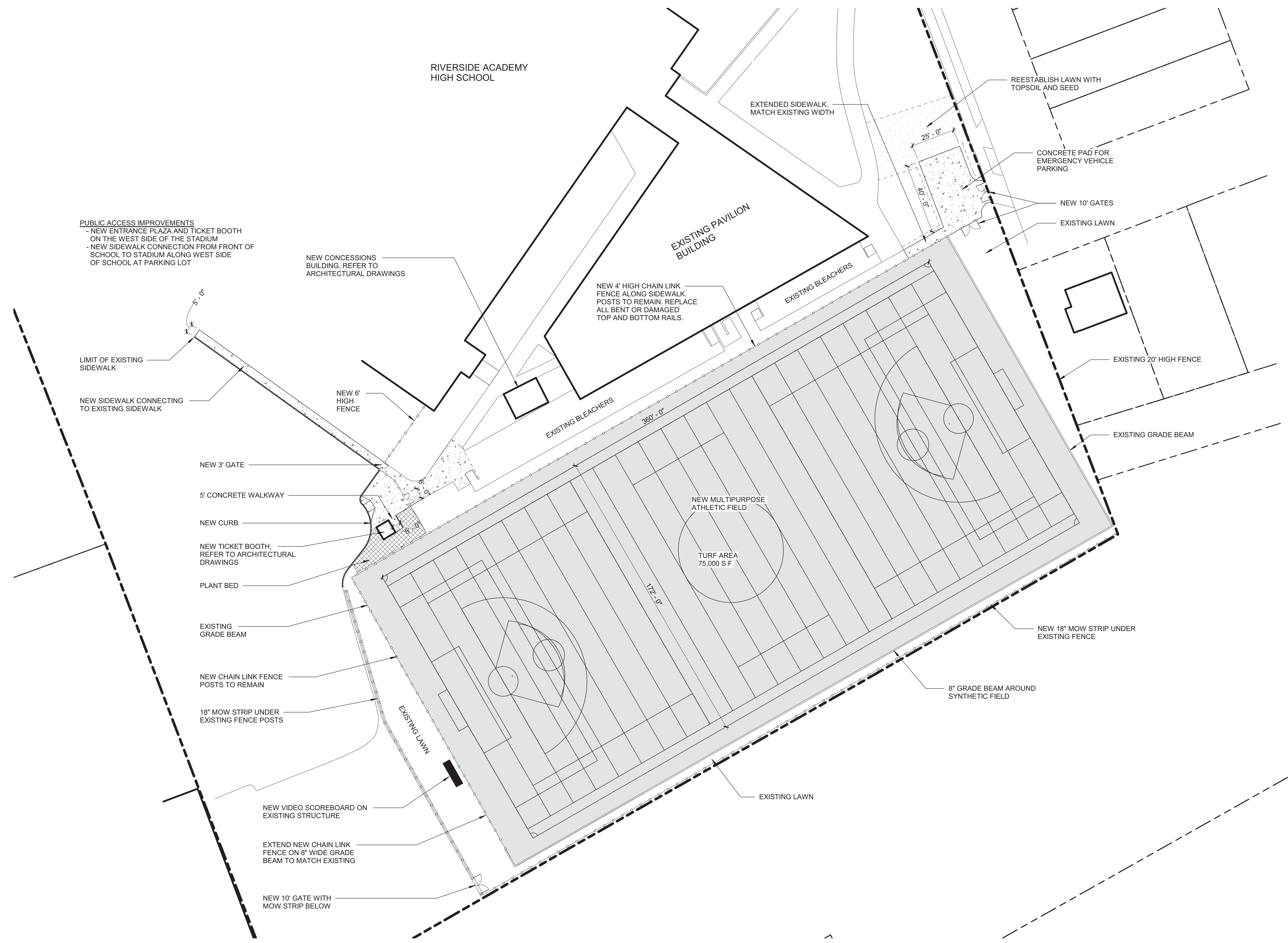
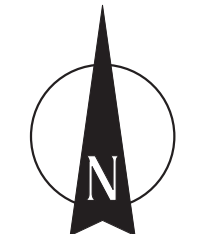
NO.	DESCRIPTION

City of Buffalo Parks & Buffalo Public School Facilities Survey & Design Development
SWBR Project Number 18630.00

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L-101 Riverside Site Layout Plan

03.29.2019
Design Development Set



PUBLIC ACCESS IMPROVEMENTS
- NEW ENTRANCE PLAZA AND TICKET BOOTH ON THE WEST SIDE OF THE STADIUM
- NEW SIDEWALK CONNECTION FROM FRONT OF SCHOOL TO STADIUM ALONG WEST SIDE OF SCHOOL AT PARKING LOT

- LIMIT OF EXISTING SIDEWALK
- NEW SIDEWALK CONNECTING TO EXISTING SIDEWALK
- NEW 6' HIGH FENCE
- NEW CONCESSIONS BUILDING, REFER TO ARCHITECTURAL DRAWINGS
- NEW 3' GATE
- 5' CONCRETE WALKWAY
- NEW CURB
- NEW TICKET BOOTH, REFER TO ARCHITECTURAL DRAWINGS
- PLANT BED
- EXISTING GRADE BEAM
- NEW CHAIN LINK FENCE POSTS TO REMAIN
- 18" MOW STRIP UNDER EXISTING FENCE POSTS
- EXISTING LAWN
- NEW VIDEO SCOREBOARD ON EXISTING STRUCTURE
- EXTEND NEW CHAIN LINK FENCE ON 8" WIDE GRADE BEAM TO MATCH EXISTING
- NEW 10' GATE WITH MOW STRIP BELOW

- NEW 4' HIGH CHAIN LINK FENCE ALONG SIDEWALK. POSTS TO REMAIN. REPLACE ALL BENT OR DAMAGED TOP AND BOTTOM RAILS.
- EXISTING PAVILION BUILDING
- EXISTING BLEACHERS
- EXTENDED SIDEWALK, MATCH EXISTING WIDTH
- REESTABLISH LAWN WITH TOPSOIL AND SEED
- CONCRETE PAD FOR EMERGENCY VEHICLE PARKING
- NEW 10' GATES
- EXISTING LAWN
- EXISTING 20' HIGH FENCE
- EXISTING GRADE BEAM
- NEW 18" MOW STRIP UNDER EXISTING FENCE
- 8" GRADE BEAM AROUND SYNTHETIC FIELD
- EXISTING LAWN

1 RIVERSIDE SITE LAYOUT PLAN
1" = 30'-0"

RIVERSIDE ACADEMY HIGH SCHOOL

EXISTING PAVILION BUILDING

EXISTING BLEACHERS

HUMPHREY ROAD

REVIEW PLACE

CONDUCT INFILTRATION TESTING DURING REPLACEMENT OF SYNTHETIC TURF AND FLUSH UNDERDRAIN AS NECESSARY

40' SANITARY SEWER EASEMENT

13'-6" x 8'-6" SANITARY SEWER
10'-7" SANITARY SEWER

GRADING & UTILITY NOTES

1. STORM PIPING TO BE HDPE UNLESS OTHERWISE INDICATED. SANITARY SEWER PIPING TO BE SDR-35 PVC. WATER PIPING TO BE TYPE K COPPER OR DUCTILE IRON. PIPE SIZING TO BE DETERMINED DURING FINAL DESIGN.
2. ALL UNDERDRAIN PIPING TO BE 4" DIAMETER PERFORATED HDPE OR PANEL UNDERDRAIN AS INDICATED ON PLANS. UNDERDRAIN AND PANEL DRAIN PIPE TO SLOPE TOWARD CONNECTIONS TO STORM SYSTEM.

UTILITY KEY NOTES

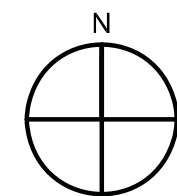
①	CONNECT NEW STORM TO EX. STORM. VERIFY EX. LOCATION AND ELEVATIONS IN FIELD
②	NEW WATER SERVICE LATERAL TO CONNECT TO EXISTING BUILDING WATER
③	NEW SANITARY SEWER LATERAL TO CONNECT TO EXISTING BUILDING SEWER

LEGEND

---	600	EX. CONTOUR
---	600	PROP. CONTOUR
○	667.0	PROP. SPOT ELEVATION
---	ST	STORM DRAINAGE PIPE
---	SAN	SANITARY SEWER PIPE
---	W	WATER PIPE
---		STORM UNDERDRAIN OR PANEL DRAIN
---		STORM TRENCH DRAIN
⊗	ST	STORM DRAINAGE MANHOLE
⊗	CB	CATCH BASIN
⊗	SA	SANITARY SEWER MANHOLE
○	CO	CLEANOUT
⊗		FIRE HYDRANT
⊗		WATER VALVE
⊗	CB	CATCH BASIN
⊗	YD	YARD DRAIN
⊗	ST MH	STORM DRAINAGE MANHOLE
⊗	SS MH	SANITARY SEWER MANHOLE
⊗	TW / BW	TOP OF WALL / BOTTOM OF WALL
⊗	TS / BS	TOP OF STAIR / BOTTOM OF STAIR

GRADING, DRAINAGE & UTILITY PLAN

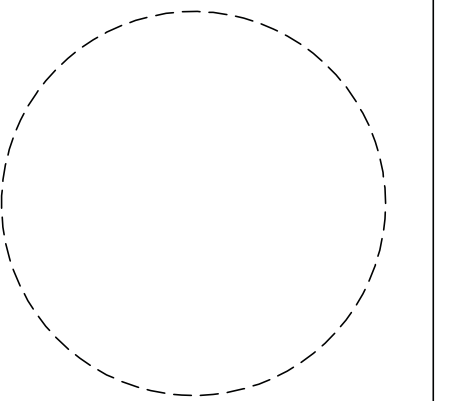
SCALE: 1" = 30'



SWBR

387 East Main Street Rochester NY 14604
585 232 8300 | rochester@swbr.com

FoittAlbert
ASSOCIATES
Architecture, Engineering, Surveying, Environmental
300 New Street, Suite 500
Buffalo, NY 14203 | (716) 856-3933 | www.foittalbert.com



Drawn By: HC
Checked By: DLP
Project Manager: DLP

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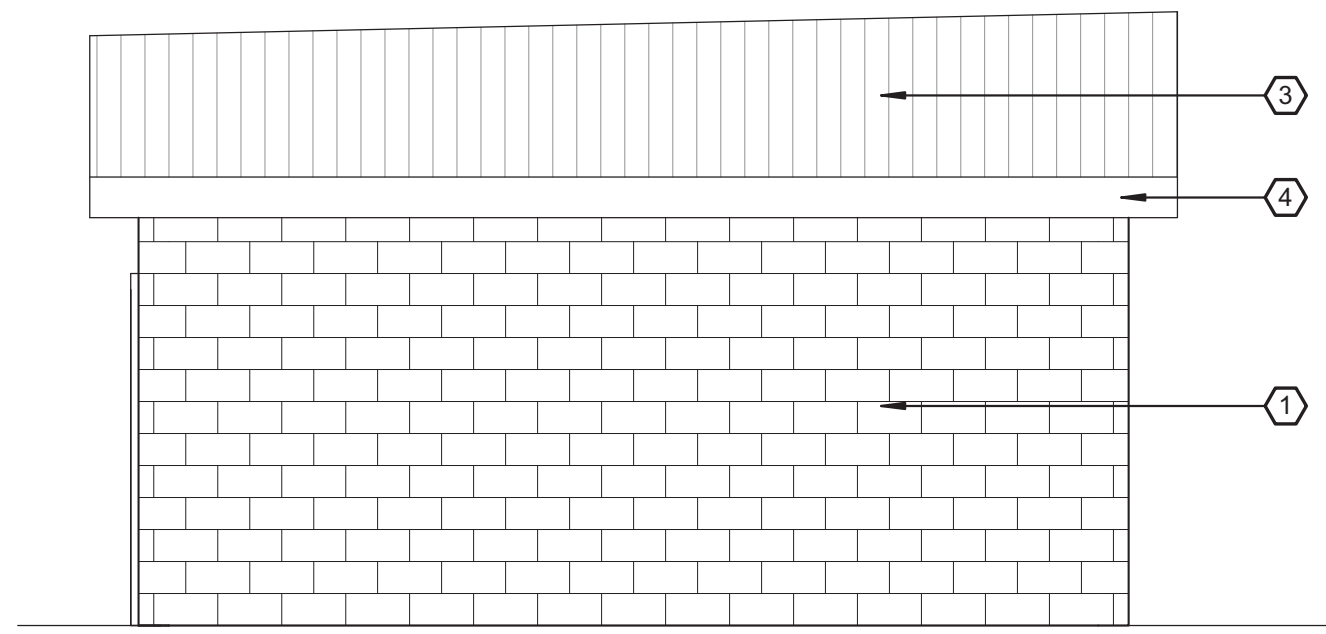
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Public School Facilities Survey &
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SWBR Project Number 18630.00

Community Foundation for
Greater Buffalo
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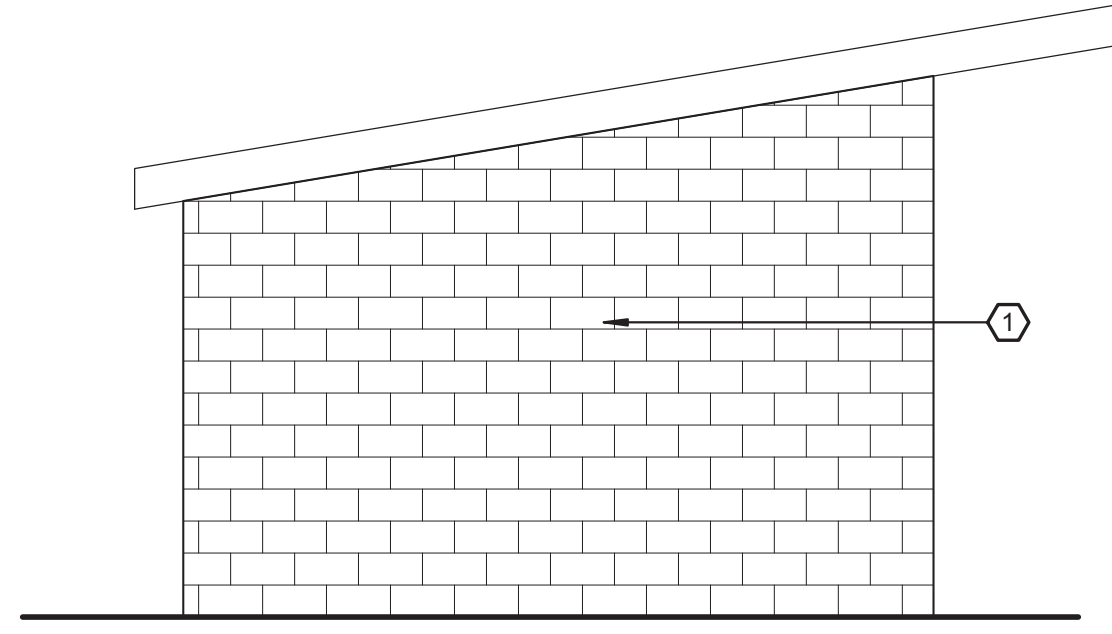
C-101

Riverside
Grading, Drainage &
Utility Plan

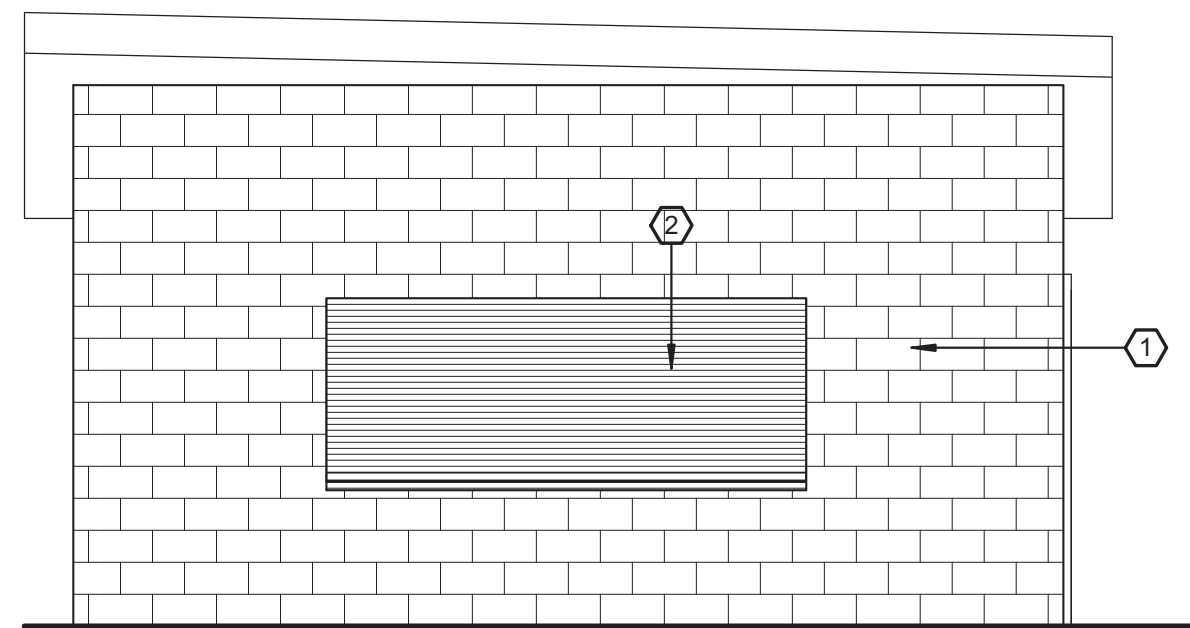
03.29.2019
Design Development Set



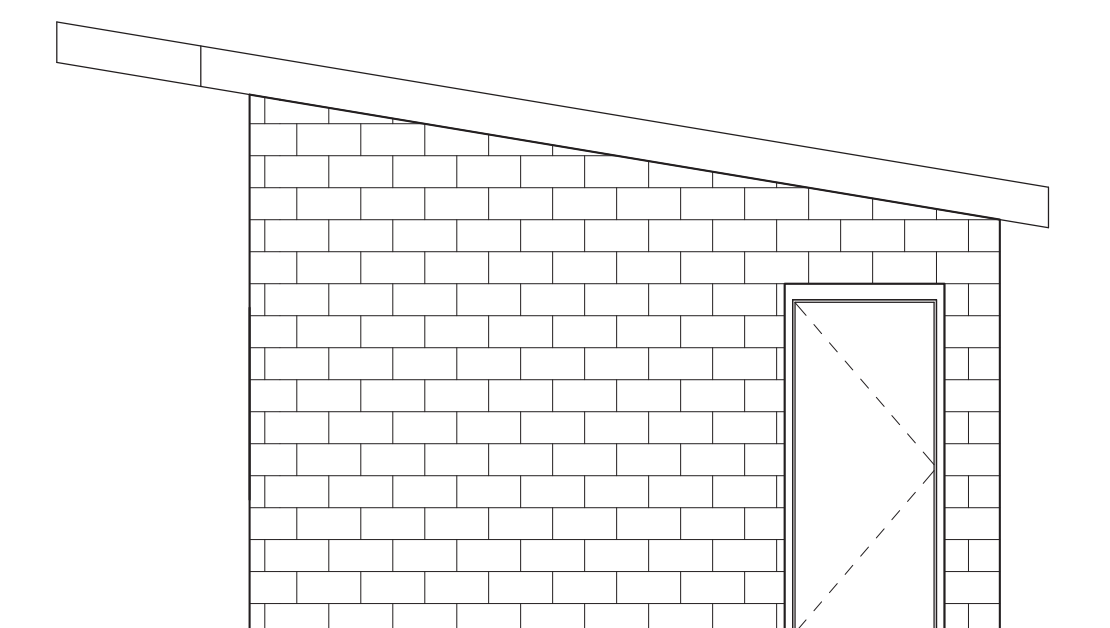
10 SOUTH ELEVATION Copy 1
1/4" = 1'-0"



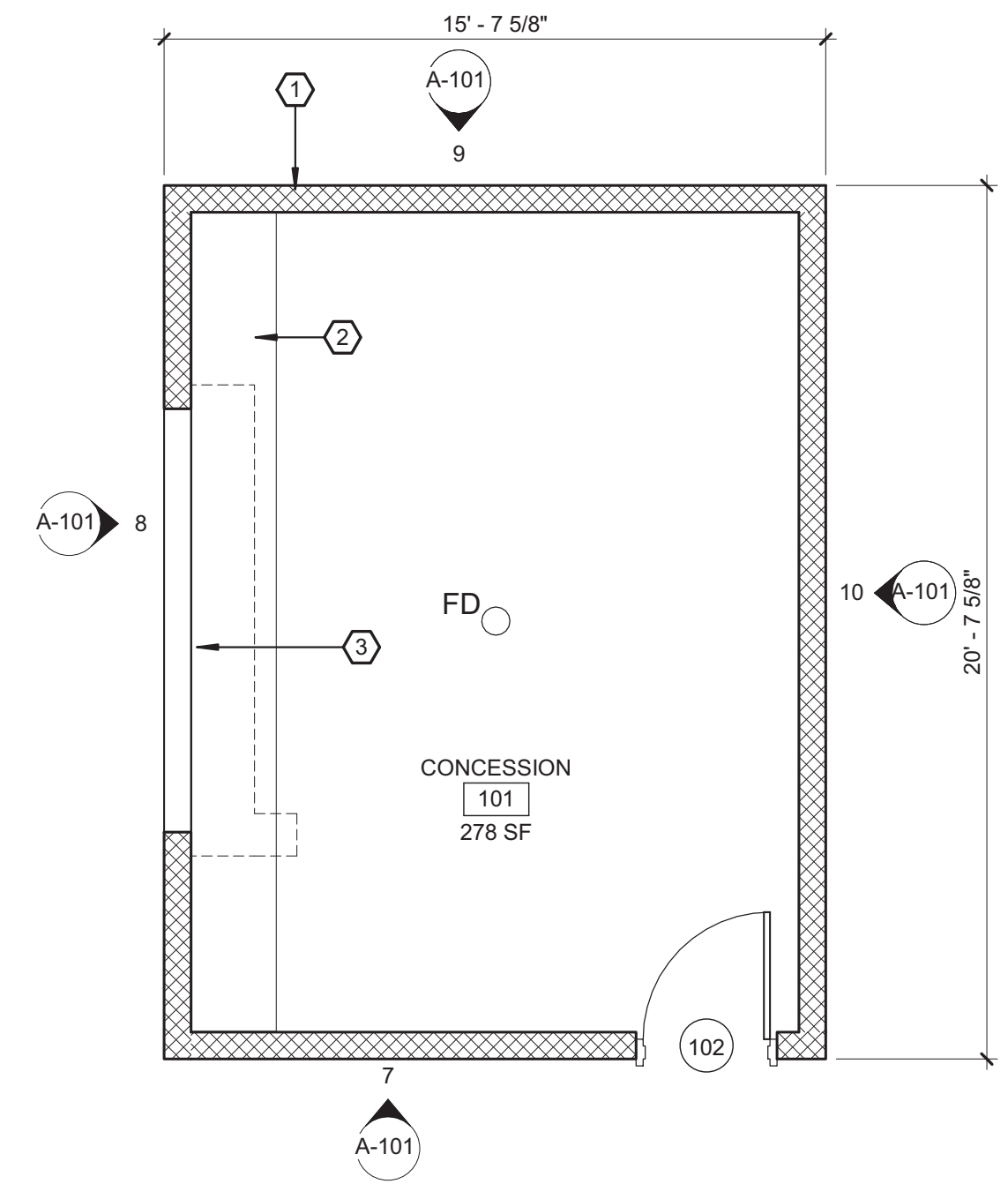
9 EAST ELEVATION
1/4" = 1'-0"



8 NORTH ELEVATION
1/4" = 1'-0"



7 WEST ELEVATION
1/4" = 1'-0"

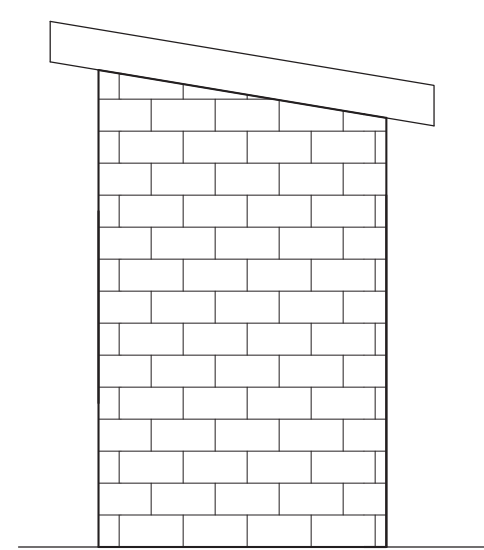


6 CONCESSION FLOOR PLAN
1/4" = 1'-0"

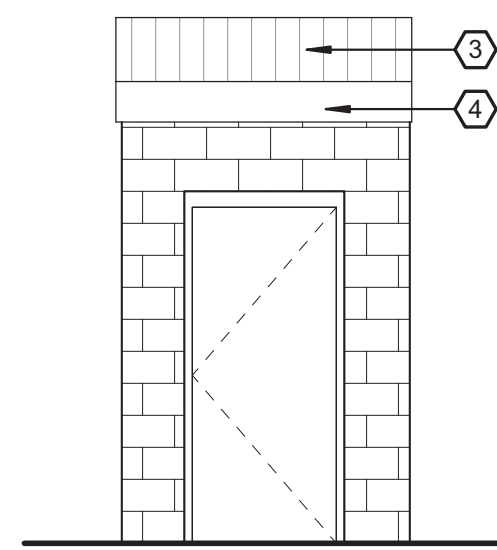
PLAN KEY NOTES	
NO.	DESCRIPTION
1	8" DECORATIVE CMU
2	STAINLESS STEEL COUNTERTOP
3	COILING STEEL DOOR
4	6" DECORATIVE CMU
5	SLIDING TICKET WINDOW
6	PLASTIC LAMINATE COUNTERTOP

ELEVATION KEY NOTES	
NO.	DESCRIPTION
1	DECORATIVE CMU
2	COILING STEEL DOOR
3	PRE-FINISH ALUMINUM RIBBED ROOF
4	PRE-FINISHED ALUMINUM FASCIA
5	SLIDING TICKET WINDOW

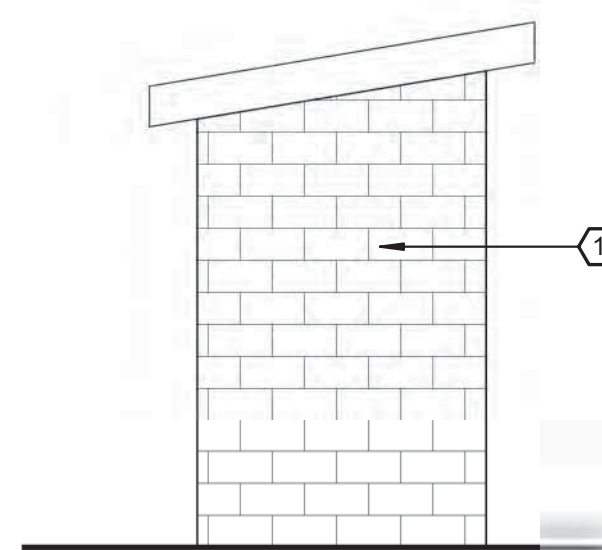
DOOR SCHEDULE																	
DOOR #	LEAF S	DOOR			FRAME				ELEVATION	TYPE	MATERIAL	FINISH	HARDWARE	LABEL	THRESHOLD	REMARKS	DOOR #
		WIDTH	HEIGHT	THICK	TYPE	MATERIAL	FINISH	GLASS									
LEVEL 1																	
101		3'-0"	7'-0"	1 3/4"	F	HM	PT	-					VANDAL RESISTANT		ALUMINUM	GALV. 14 GAUGE HM DOORS WITH 12 GAUGE HM FRAMES	101
102		3'-0"	7'-0"	1 3/4"	F	HM	PT	-					VANDAL RESISTANT		ALUMINUM		102
103		10'-0"	4'-0"		G		PRE-FINISH	-									103



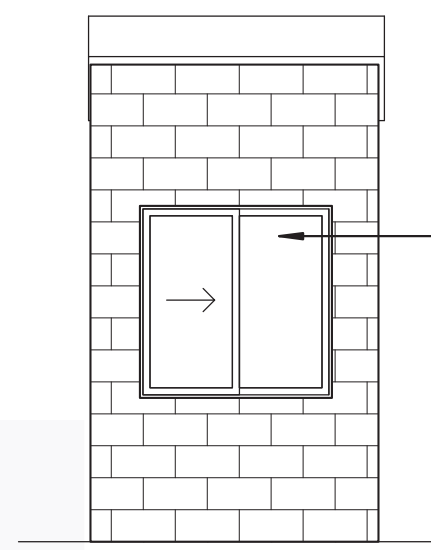
5 EAST ELEVATION
1/4" = 1'-0"



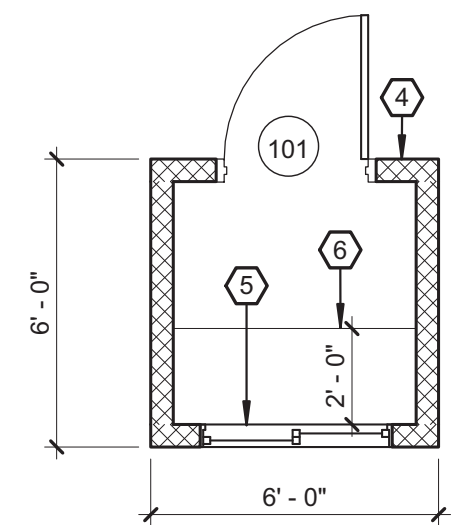
4 NORTH ELEVATION
1/4" = 1'-0"



3 WEST ELEVATION
1/4" = 1'-0"



2 SOUTH ELEVATION
1/4" = 1'-0"



1 FLOOR PLAN - TICKET BOOTH
1/4" = 1'-0"

Drawn By: LHW
Checked By: LHW
Project Manager: WP

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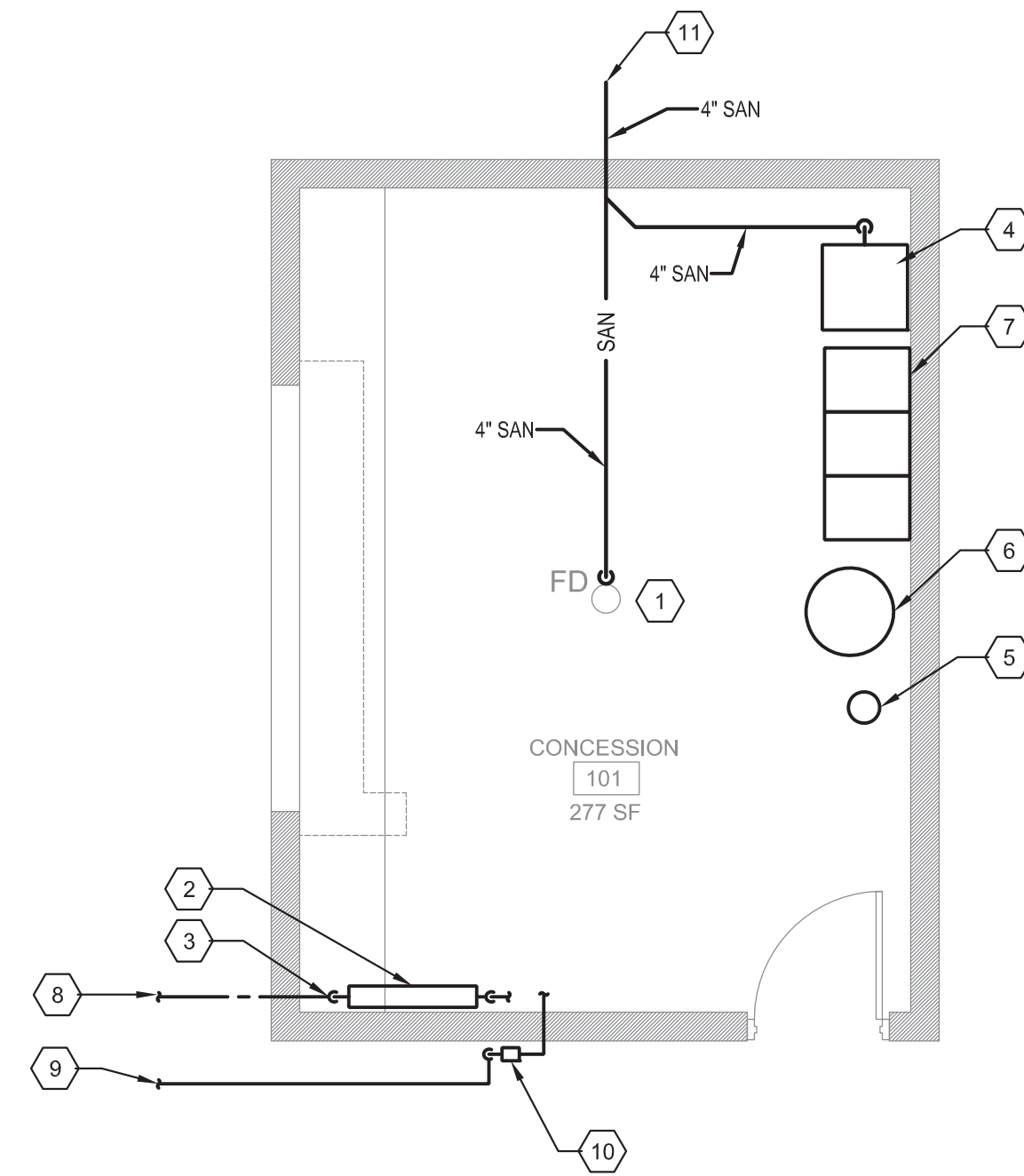
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SWBR Project Number 18630

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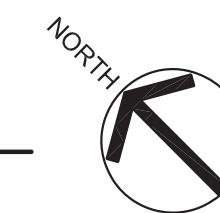
**A-101
Riverside**

First Floor Plans - Concession Building & Ticket Booth

3.29.2019
Design Development



1 FIRST FLOOR PLAN - TICKET BOOTHS & CONCESSION STAND
1/4" = 1'-0"



KEYED NOTES (#)

1. PROVIDE FLOOR DRAIN WITH DEEP SEAL TRAP, TRAP PRIMER, 4" SAN, 2" V. & 1/2" C PIPING. EXTEND 1/2" C. TO COLD WATER TRAP PRIMER.
2. PROVIDE 2" REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE.
3. PROVIDE 2" DOMESTIC WATER METER WITH INTEGRAL STRAINER IN COMPLIANCE WITH BUFFALO DIVISION OF WATER REQUIREMENTS.
4. PROVIDE GREASE INTERCEPTOR AND FLOW CONTROL DEVICE.
5. PROVIDE PEDESTAL EMERGENCY EYEWASH WITH 1/2" C. AND 1/2" H. TO MIXING VALVE AND 1/2" SAN.
6. PROVIDE ELECTRIC WATER HEATER.
7. 3 BASIN STAINLESS STEEL SINK AGAINST WALL.
8. 2" TYPE 'K' COPPER WATER SERVICE.
9. POLYETHYLENE GAS SERVICE BY NATIONAL FUEL.
10. GAS METER BY NATIONAL FUEL.
11. 4" SDR SANITARY SEWER TO STREET OR SEWAGE EJECTOR.

NEW BUILDINGS ADDED ON SITES

NEW SCHEDULE 40 SOLID CORE PVC SANITARY SEWERS SHALL BE PROVIDED BELOW THE FLOOR SLAB AND EXTENDED TO THE NEAREST SANITARY SITE MANHOLE. A NEW TYPE L COPPER OR DUCTILE IRON WATER SERVICE SHALL BE EXTENDED FROM THE CITY STREET MAIN TO THE BUILDING. THE WATER SERVICE SHALL ENTER THE BUILDING THROUGH THE FOUNDATION WALL AND FLOOR SLAB AND BE LOCATED NEAR AN EXTERIOR WALL. A NEW PVC SANITARY SEWER WILL BE EXTENDED FROM THE BUILDING TO THE SITE SANITARY SEWER MANHOLE OR THE STREET MANHOLE, WHICHEVER IS CLOSEST.

GAS SERVICE: A NEW METER SET AND GAS SERVICE SIZED TO MATCH ANY BUILDING EQUIPMENT LOADS WILL BE PROVIDED BY NATIONAL FUEL. THE SERVICE WILL EXTEND FROM THE STREET MAIN TO THE METER LOCATION AT THE BUILDING WALL. SCHEDULE 40 STEEL GAS PIPE EXTENDED TO ANY WATER HEATING, KITCHEN OR BUILDING HEATING EQUIPMENT INSIDE.

NEW PLUMBING FIXTURES INCLUDING WATER CLOSETS, URINALS, LAVATORIES, SINKS, MOP SERVICE SINKS, AND SHOWERS IF REQUIRED WILL BE PROVIDED. PLUMBING SPECIALTIES INCLUDING FLOOR DRAINS, FLOOR CLEANOUTS, GREASE INTERCEPTORS, WATER HAMMER ARRESTORS AND WALLS HYDRANTS WILL BE PROVIDED. ELECTRIC OR GAS WATER HEATERS SIZED TO SERVE THE FIXTURE AND EQUIPMENT LOADS WILL BE PROVIDED. REQUIRED SAFETY DEVICES SUCH AS EYEWASHES WILL BE PROVIDED FOR BUILDINGS INCLUDING KITCHENS OR WATER TREATMENT EQUIPMENT FOR SWIMMING POOLS.

WATER SERVICE ENTRANCE: A NEW WATER SERVICE WILL BE EXTENDED TO THE BUILDING FROM THE STREET WATER MAIN. A NEW METER SET WILL BE LOCATED AS PART OF A NEW WATER SERVICE ENTRANCE IN THE INTERIOR OF THE BUILDING, INSTALLED ADJACENT TO AN EXTERIOR WALL AND FITTED WITH A REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE. A WATER METER COMPLYING WITH THE CITY OF BUFFALO DIVISION OF WATER REQUIREMENTS WILL BE PROVIDED. A REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE WILL BE PROVIDED ON THE DOMESTIC WATER SERVICE DOWNSTREAM OF THE METER AND IN COMPLIANCE WITH THE CITY OF BUFFALO AND NEW YORK STATE HEALTH DEPARTMENT CODE REQUIREMENTS.

APPLICATIONS FOR ALL UTILITY SERVICES WILL BE REQUIRED TO THE RESPECTIVE UTILITIES FOR THE GAS, ELECTRIC, WATER SERVICE, DOMESTIC WATER BACKFLOW PREVENTION AND SANITARY SEWER SYSTEMS. APPLICATIONS AND DESIGN SUBMISSIONS MUST INCLUDE CAPACITIES AND DEMONSTRATION OF CODE COMPLIANCES. APPLICATIONS INCLUDE THE ADDED DISCHARGE CAPACITY TO THE CITY SANITARY SEWER SYSTEM, WATER SERVICES AND GAS INCLUDE DESIGN SUBMISSIONS FOR APPROVAL, TAPPING PERMITS BY CONTRACTORS AND FINAL INSPECTION APPROVALS.

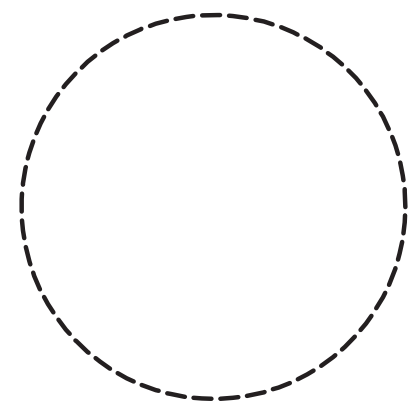
THE CONTRACTOR SHALL PROVIDE FOR THE COORDINATION AND THE TIMING OF UTILITY INSTALLATIONS WITH UTILITY AGENCIES. THE CONTRACTOR SHALL PROVIDE FOR CONTACT, APPLICATION AND ALL COST ASSOCIATED WITH REMOVAL WORK AND COMPLETE THE WORK IN COMPLIANCE WITH EACH AGENCIES WRITTEN REQUIREMENTS. CONTACTS SHALL INCLUDE THE BUFFALO DIVISION OF WATER, BUFFALO SEWER AUTHORITY AND NATIONAL FUEL.

EXCAVATION, PIPE BEDDING AND BACKFILL WILL BE REQUIRED FOR WATER AND SEWER UTILITIES.

SERVING KITCHEN

SERVING KITCHENS ARE LIMITED TO "SERVING USE" WHERE THE USERS BRING THEIR OWN FOOD, MATERIALS AND UTENSILS AND LEAVE THE SITE WITH THEIR MATERIALS. ITEMS PROVIDED IN THE BUILDING ARE LIMITED TO COUNTERS AND SINKS FOR CLEANUP TO INCLUDE A 3-BASIN SINK MINIMUM. 3-BASIN SINKS REQUIRE A GREASE INTERCEPTOR DEVICE PER THE INTERNATIONAL PLUMBING CODE, CITY OF BUFFALO PLUMBING DEPARTMENT AND HEALTH CODES.

ADDITIONAL "SERVING KITCHEN" ITEMS INCLUDE PROVIDING WORKTABLES, COUNTERS, SOME CASEWORK FOR STORAGE AND A SINK FOR HAND WASHING.



Drawn By: MPC
Checked By: MJS
Project Manager: RCP

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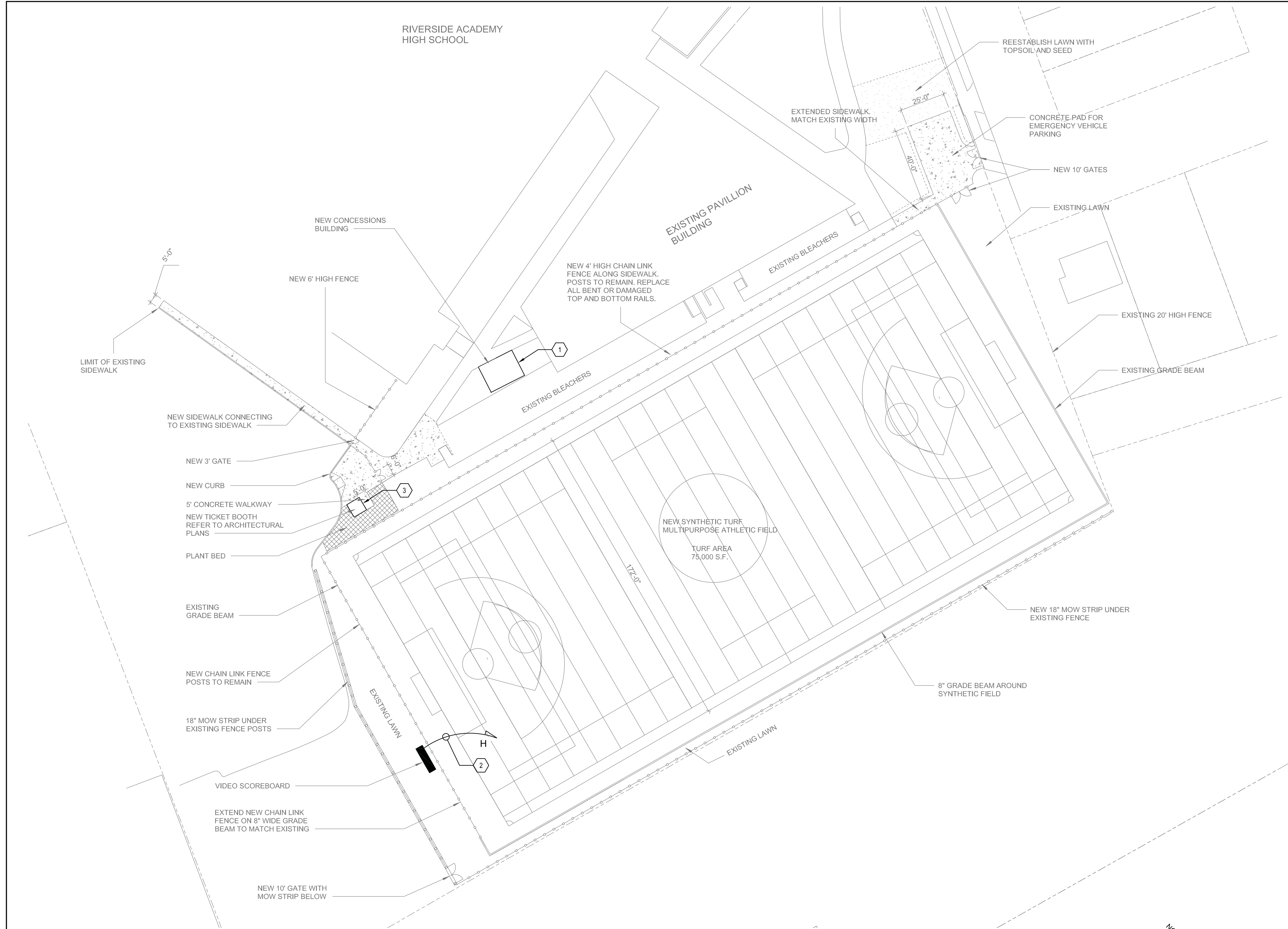
Revisions

City of Buffalo Parks & Buffalo Public School Facilities Survey & Design Development
SWBR Project Number 18630.00

Community Foundation for Greater Buffalo
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P-101
RIVERSIDE INSTITUTE OF TECHNOLOGY
PLUMBING FIRST FLOOR PLAN

3.29.2019
Design Development



LEGEND:

- FIELD LIGHTING
- PATHWAY LIGHTING
- LAMPPOLE TO REMAIN
- SECURITY CAMERA
- SCOREBOARD
- BRANCH CIRCUIT TO PANELBOARD. LETTERING INDICATES PANELBOARD DESIGNATIONS. QUANTITY OF ARROWHEADS INDICATE QUANTITY OF BRANCH CIRCUITS.

KEYED DRAWING NOTES:

1. PROVIDE 208V, 3 PHASE, 4 WIRE, 150 AMP PANEL 'H' IN NEW CONCESSIONS BUILDING. PANEL FEED SHALL CONSIST OF (4) #1 AWG CONDUCTORS WITH (1) #8 EQUIPMENT GROUNDING CONDUCTOR IN 1-1/2" CONDUIT. FEED PANEL FROM EXISTING ELECTRICAL SERVICE LOCATED IN RIVERSIDE ACADEMY HIGH SCHOOL.
2. PROVIDE 2 POLE, 60 AMP NEMA 3R DISCONNECT SWITCH AND A CIRCUIT CONSISTING OF (2) #4 AWG CONDUCTORS WITH (1) #10 EQUIPMENT GROUNDING CONDUCTOR IN 1" CONDUIT TO PANEL 'H'.
3. PROVIDE (2) 120 VOLT, 20 AMP CIRCUITS AND (1) 1" SPARE COMMUNICATION CONDUIT TO CONCESSION BUILDING.

SWBR

387 East Main Street Rochester NY 14604
585 232 8300 | rochester@swbr.com

WATTS
ARCHITECTURE & ENGINEERING

Drawn By: MPC
Checked By: MJS
Project Manager: RCP

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NO.	DATE	DESCRIPTION

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Public School Facilities Survey &
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SWBR Project Number 18630.00

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E-101
RIVERSIDE
ELECTRICAL SITE
PLAN

3.29.2019
Design Development Set

1 RIVERSIDE SITE ELECTRICAL PLAN
1" = 30'-0"