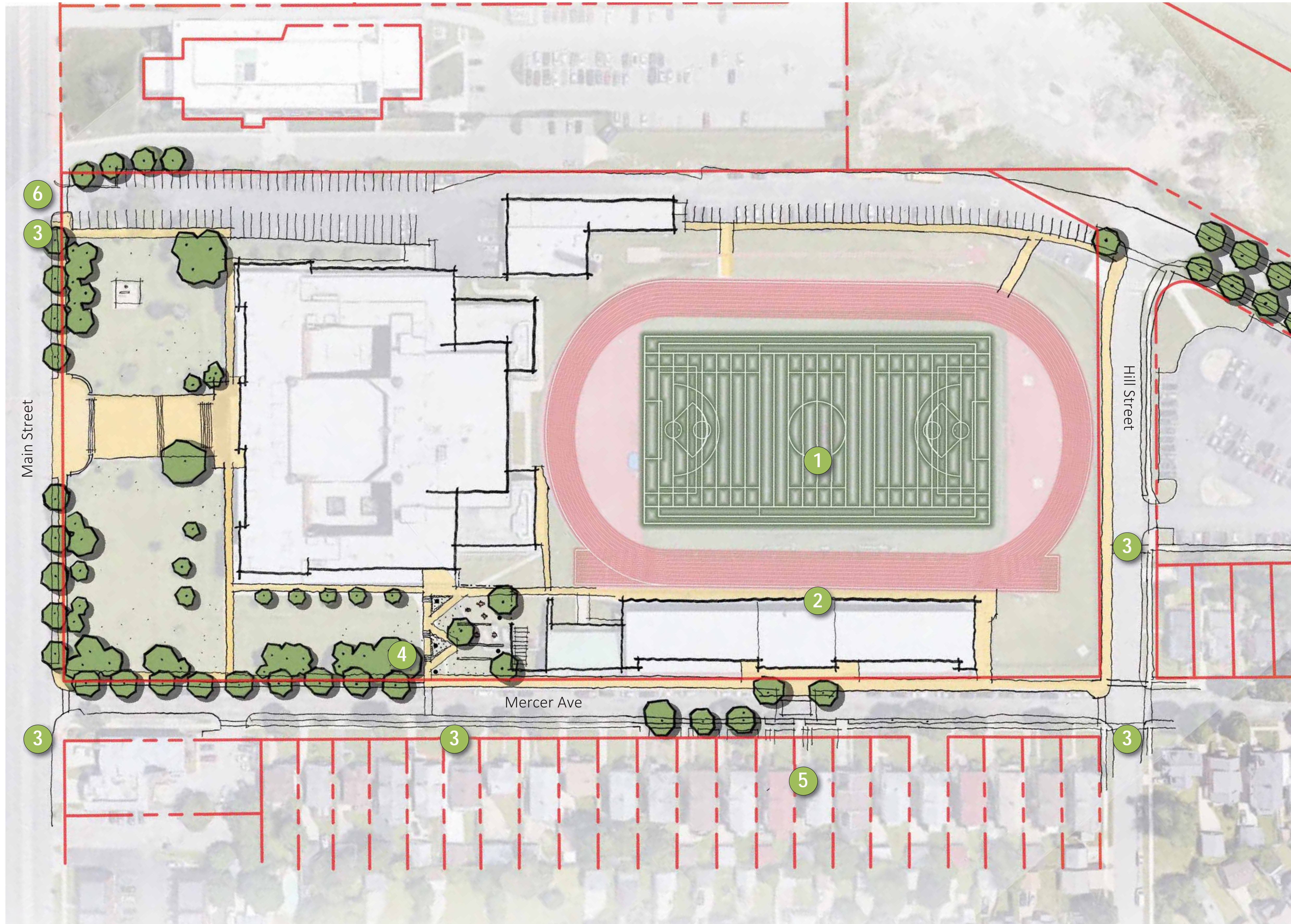


All-High Stadium

Site Inventory & Analysis





SITE LEGEND:

- 1 Multipurpose Field (resurface)
- 2 Track (resurface)
- 3 Crosswalk Improvements
- 4 Improved Accessible Entrance and Gathering Space
- 5 Traffic Calming at Stadium Entrance
- 6 Parking/ Circulation Improvements
- Pathway Lighting

All-High Stadium

Schematic Design



DRAWING LIST - ALL HIGH STADIUM

- General
G-001 General Notes, Legends & Drawing List
Landscape
L-000 Existing Conditions/ Survey
L-002 Demolition Plan
L-101 Site Layout Plan
Civil
C-101 Grading, Drainage & Utility Plan
Architectural
A-101 Concession Building & Ticket Booth Renovations
Electrical
E-101 Plumbing First Floor Plan
Mechanical
M-001 Cover Sheet
M-101 First Floor Mechanical Plan
Electrical
E-101 Electrical Site Plan

Drawing symbols

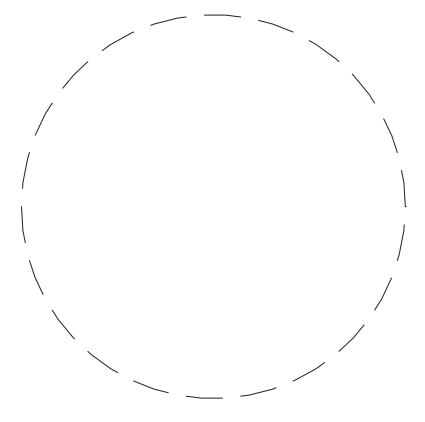
Table with 3 columns: View title, Exterior elevation, and Door numbers. Includes symbols for Title, Building / wall section cut, Detail section cut, Detail - blow up, Interior elevations, Structural grid, Accessibility, and various door/window symbols.

Material symbols

Table with 2 columns: Material name and symbol. Includes Undisturbed earth, Gravel or crushed stone, Stone, Concrete, Concrete masonry unit, Brick, Steel - large scale, Steel - small scale, Wood framing, Finish wood, Plywood, Gypsum, sand, mortar, Batt insulation, and Rigid insulation.

Architectural / Structural abbreviations

Large table listing abbreviations for architectural and structural elements, including items like AB Anchor bolt, ACV Air conditioning, DWV Drainage waste & vent, and many others.



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Checked By: JMB
Project Manager: DP

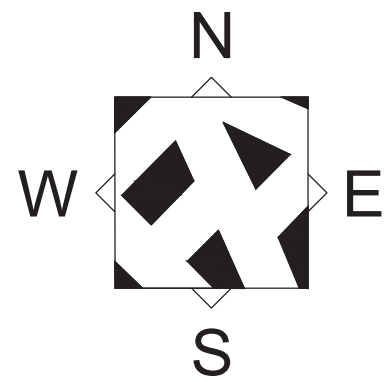
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Revisions table with columns for revision number, description, and date.

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

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G-001
All-High
General Note, Legends & Drawing List



REPUTED OWNER
2915 MAIN STREET LLC

REPUTED OWNER
BETHUNE HALL LLC

REPUTED OWNER
CITY OF BUFFALO
BENNETT HIGH SCHOOL



VICINITY MAP
NOT TO SCALE

NOTES:

MAPPING COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY
FLOWN DECEMBER 2018

THE PROPERTY LINES SHOWN ARE APPROXIMATE ONLY AND ARE BASED ON GIS
TAX MAP INFORMATION. A COMPLETE BOUNDARY SURVEY WAS NOT PERFORMED
FOR THE PREPARATION OF THIS MAP.

COORDINATES ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE
SYSTEM WEST ZONE, NAD 83.

ELEVATIONS ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.

UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN,
SPECIFICATION, PLAN OR REPORT IS A VIOLATION OF SECTION 7209, PROVISION 2
OF THE NEW YORK STATE EDUCATION LAW. ONLY COPIES FROM THE ORIGINAL OF
THIS SURVEY MAP MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S
EMBOSSD SEAL AND SIGNATURE SHALL BE CONSIDERED TO BE VALID TRUE
COPIES.

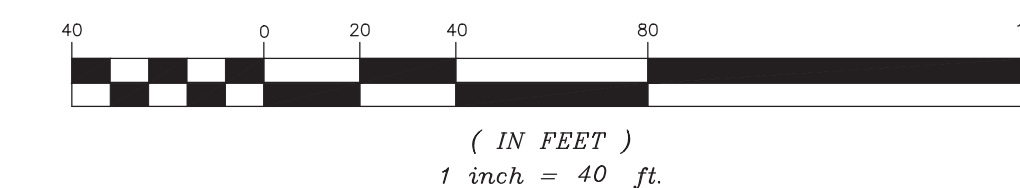
LEGEND

EDGE OF PAVEMENT	POOL	PILE
GUARDRAIL	BUILDING UC	GOLF FAIRWAY
TREELINE	FOUNDATION	UNDER CONSTRUCTION
FENCE_GATE	RUINS	RUNWAY
RIVER	MARSH OUTLINE	AIRFIELD PAVED
HEDGE	POND, LAKE	AIRFIELD SHLDR
DIRTROAD	PAVED GUTTER	AIRFIELD PAINT
BUILDING (RES.)	HEADWALL	HELICOPTER PAD
MISCLINE	DAM	ABANDONED RR
RETAINING WALL	PIPE END	PAVED PARKING
CURB	CEMETERY	UNPAVED PARKING
INDEX OBS INDEX	RECREATION UNPAV	AERIAL TC BOX
INTER OBS INTER	TANK	PIPE
INDEXD OBS INDEXD	RECREATION PAVED	TRAIL
INTERD OBS INDTERD	BUILDING (MISC)	CREEK
SIDEWALK	SOFTBREAK	LANDSCAPE
DECK	HARDBREAK	END_EXP_JOINT
STEPS	OBSCURED AREA	ROAD CENTERLINE
GRID (w/text)	UNPAVED SHOULDER	UTILITY BOX
RR	BUILDINGS (TEMP)	GREENS
SIGN/OH SIGN	CANOPY	TRAPS_BUNKERS
ROAD PAINT	FENCE_GATE	TEES
PKG PAINT	PHONE	INDEFINITE AREA
TRAVELWAY	GUY	CULTIVATED FIELD
PAVED DRIVE	RAMP	BRIDGE
UNPAVED DRIVE	SMOKE	BRIDGE ROAD
BRUSH	OH PIPE	BRIDGE CURB
CONTEXT 110	OH WALK	BRIDGE SIDEWALK
BRIDGE	CONVEYOR	MID_EXP_JOINT
MAPPING LIMITS	LANDFILL	BRIDGE-BREAK
SLAB, CONCRETE	OPEN STORAGE	OBSCURED BREAK
WALL		

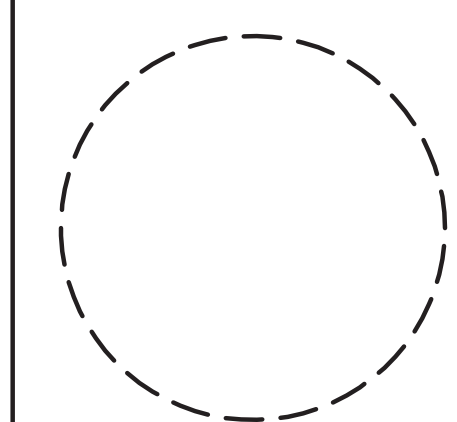
SYMBOLS

□ CB ROUND	○ CB	⊕ HANDI-CAP
□ SQUARE	□ CB	• VALVE
◇ DI	◇ DECIDUOUS BUSH	• FLAG
* CONIFEROUS BUSH	× TC	■ UNOB
○ MH	• LAMPOST	□ RAILSIG
○ DECIDUOUS TREE	* CONIFEROUS TREE	△ RAILSW
• POST	• SPOT	□ TRABOX
• SAT.DISH	• GUY (LINE)	• RUNLIGHT
• ANTENNA	• DTM SPOT	• TAXLIGHT
• OBS DTM SPOT	• PWRPOLE	• TRASIG
• TREEBOLE	• PWRPOLE	• VERT
• CULV (LINE)	• SWAMP	• HOR
• CEMETERY	• AC or HEAT PUMP	• HV
• POLES (MISC)	• TOWER (LINE)	
• DTM SPOT	• OBS DTM SPOT	
• ANTENNA	• SAT.DISH	
• GUY (LINE)		

GRAPHIC SCALE



(IN FEET)
1 inch = 40 ft.



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

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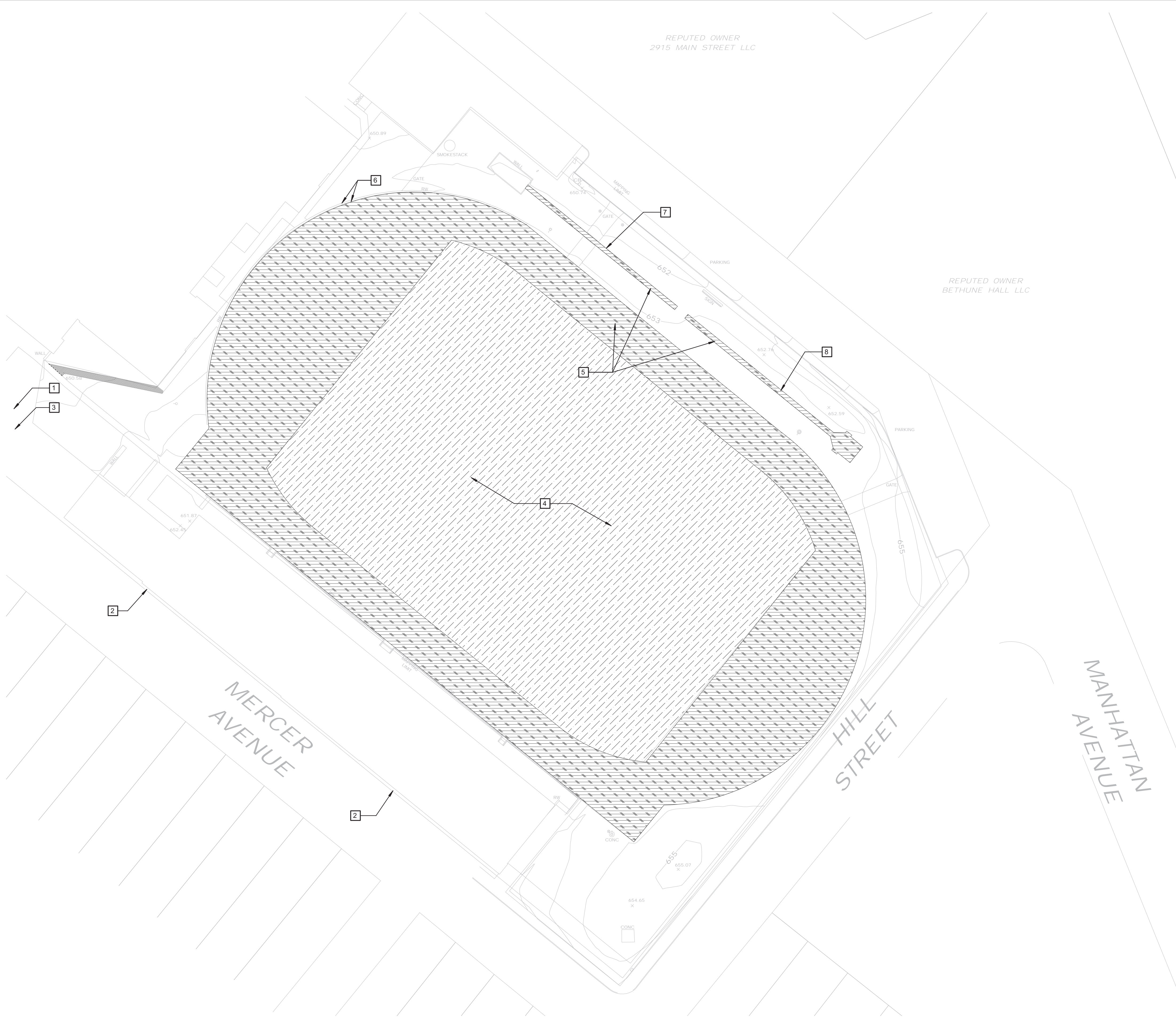
Revisions

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

Community Foundation for
Greater Buffalo
726 Exchange Street, Suite 525
Buffalo, NY 14210

L-000
All High
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.
- EXISTING PAVEMENT, CURBING, AND AGGREGATE BASE MATERIAL TO BE REMOVED AND DISPOSED OFF SITE.
- EXISTING PLAYGROUND EQUIPMENT, SAFETY SURFACE MATERIAL (EFW), AND FOOTINGS TO BE REMOVED AND DISPOSED OFF SITE.
- 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

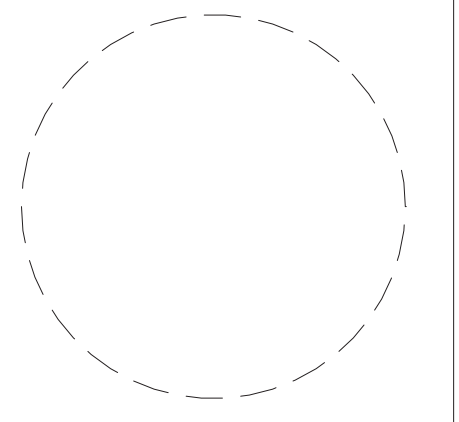
GENERAL DEMOLITION NOTES

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 MASONRY WALL, ALL FOUNDATIONS, AND METAL GATES
2	REMOVE AND DISPOSE OF ALL EXISTING PLANT MATERIAL AND FOUNDATION BEDS BETWEEN CURB AND FACADE
3	REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK AND STEPS
4	REMOVE AND DISPOSE OF EXISTING SYNTHETIC TURF FIELD. REFER TO SITE LAYOUT PLANS FOR REPLACEMENT
5	TRACK, "D" ZONE, AND ALL RESILIENT SURFACE IMPROVEMENTS. (1) PROTECT SYNTHETIC TURF FIELD 40' FROM EDGE OF TRACK (2) CLEAN EXISTING TRENCH DRAIN ON INSIDE PERIMETER OF TRACK WITH SYNTHETIC TURF (3) PRESSURE WASH (4) INCLUDE MINOR PATCHING (5) RESPRAY COLORED POLYURETHANE SURFACE AND (6) RESTRIPE ALL LINES, NUMBERS, AND SYMBOLS. REFER TO SITE LAYOUT PLANS FOR REPLACEMENT.
6	EXISTING SEGMENTED BLOCK WALL AND CHAIN LINK FENCE TO REMAIN. PROTECT DURING TRACK REMOVAL AND REPLACEMENT CONSTRUCTION.
7	REMOVE AND DISPOSE EXISTING RESILIENT SURFACE ON LONG JUMP RUNWAY AND REPLACE
8	REMOVE AND DISPOSE EXISTING RESILIENT SURFACE ON POLE VAULT RUNWAY AND REPLACE



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Drawn By: BM
Checked By: BP
Project Manager: BP

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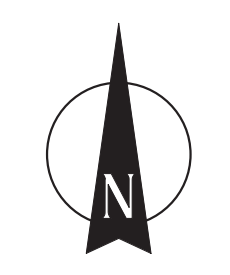
Revisions

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SWBR Project Number 18630.00

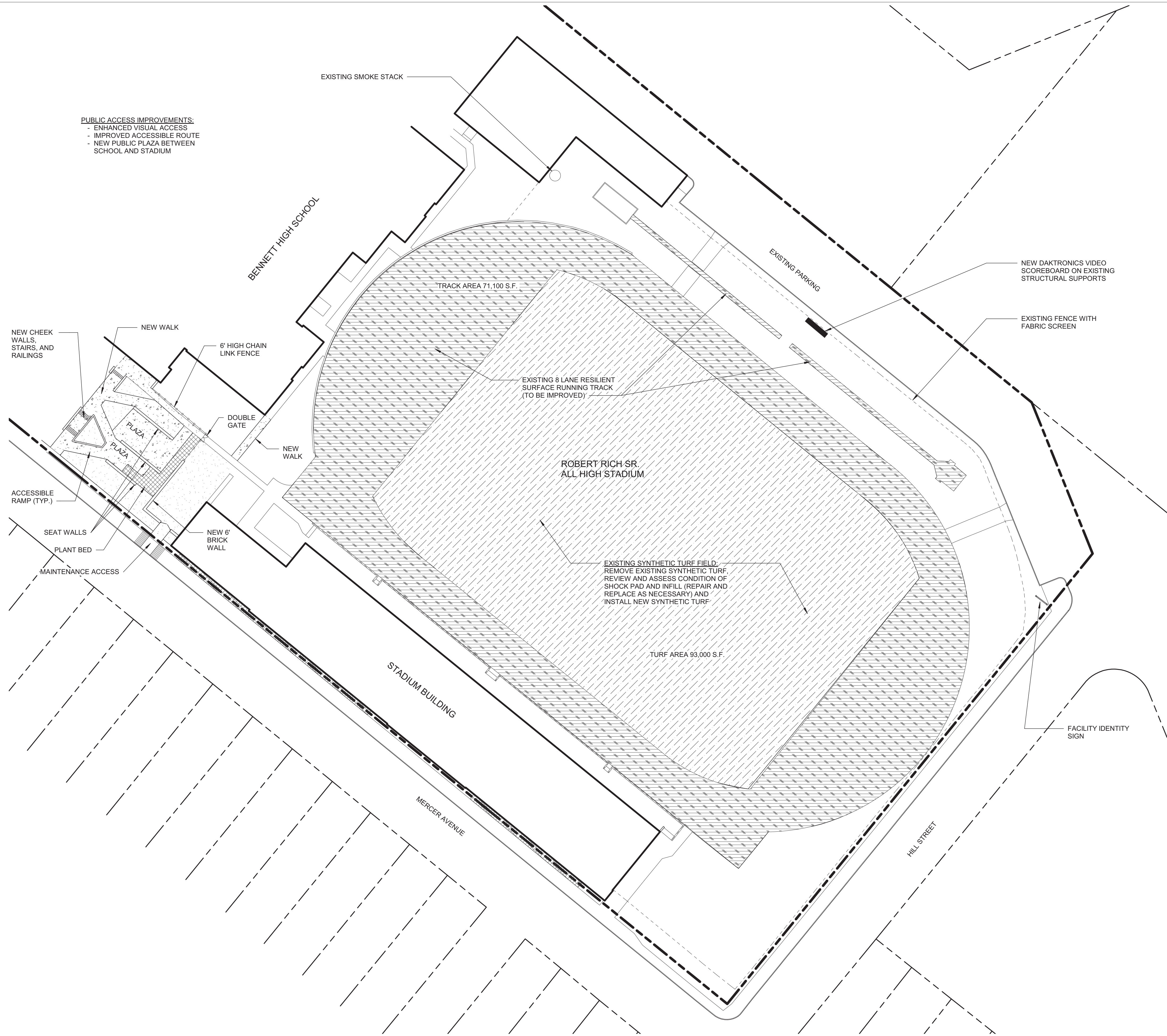
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Buffalo, NY 14210

L-002
All High
Demolition Plan

03.29.2019
Design Development Set



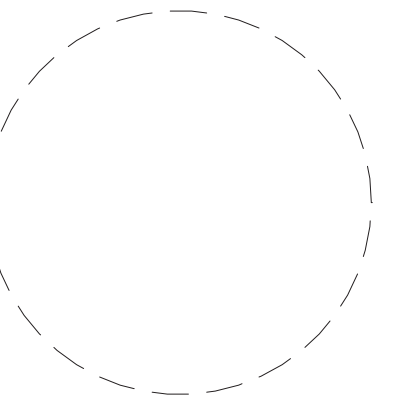
1 ALL HIGH DEMOLITION PLAN
1" = 40'-0"



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



Drawn By: SS
 Checked By: BP
 Project Manager: BP

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NO.	DESCRIPTION

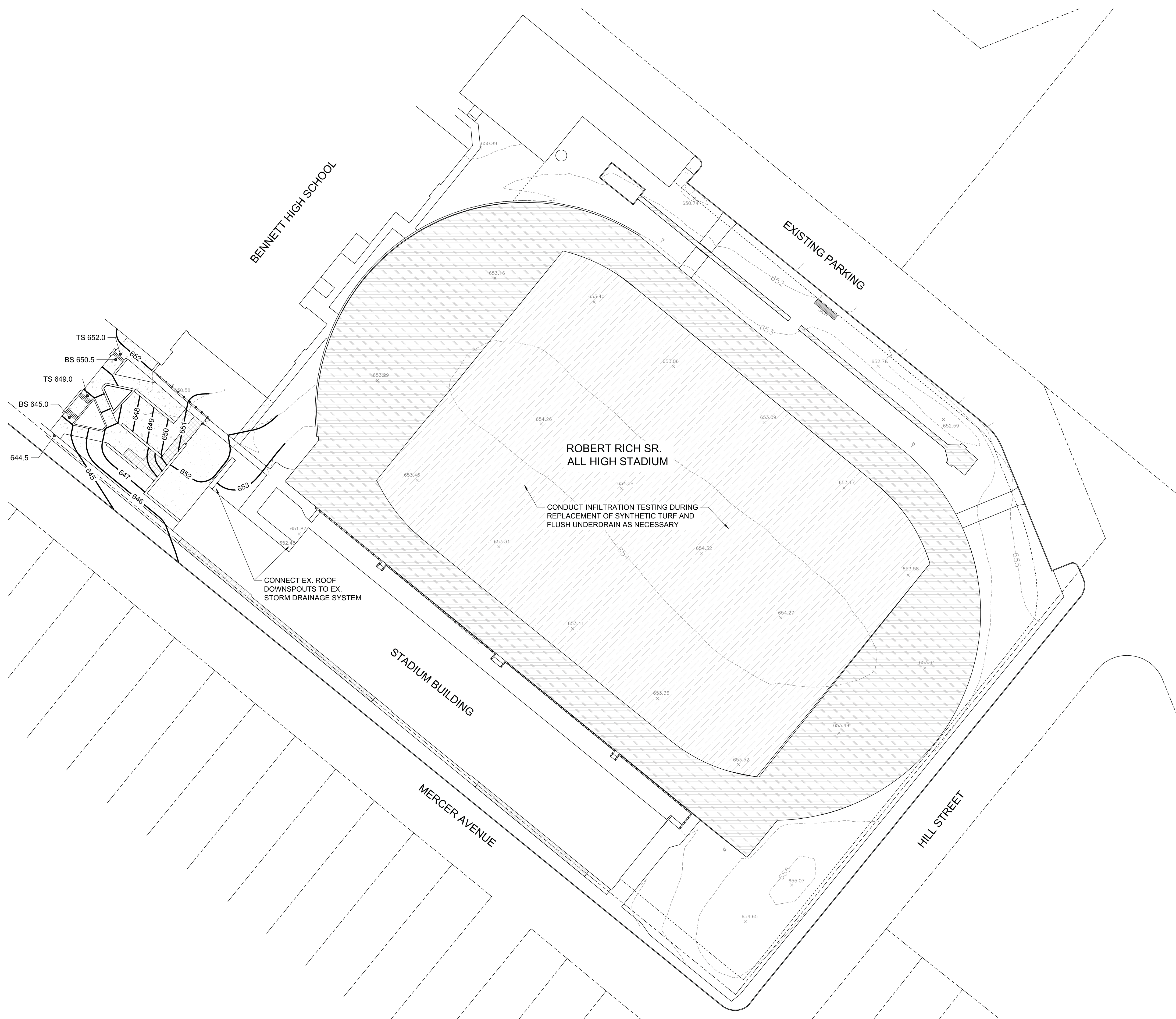
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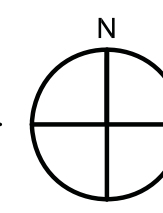
L-101
 All High
 Site Layout Plan

03.29.2019
 Design Development Set





GRADING, DRAINAGE & UTILITY PLAN
 SCALE: 1" = 40'



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.

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
⊗	STORM DRAINAGE MANHOLE
⊗	CATCH BASIN
⊗	YARD DRAIN
⊗	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

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 Project Manager: DLP

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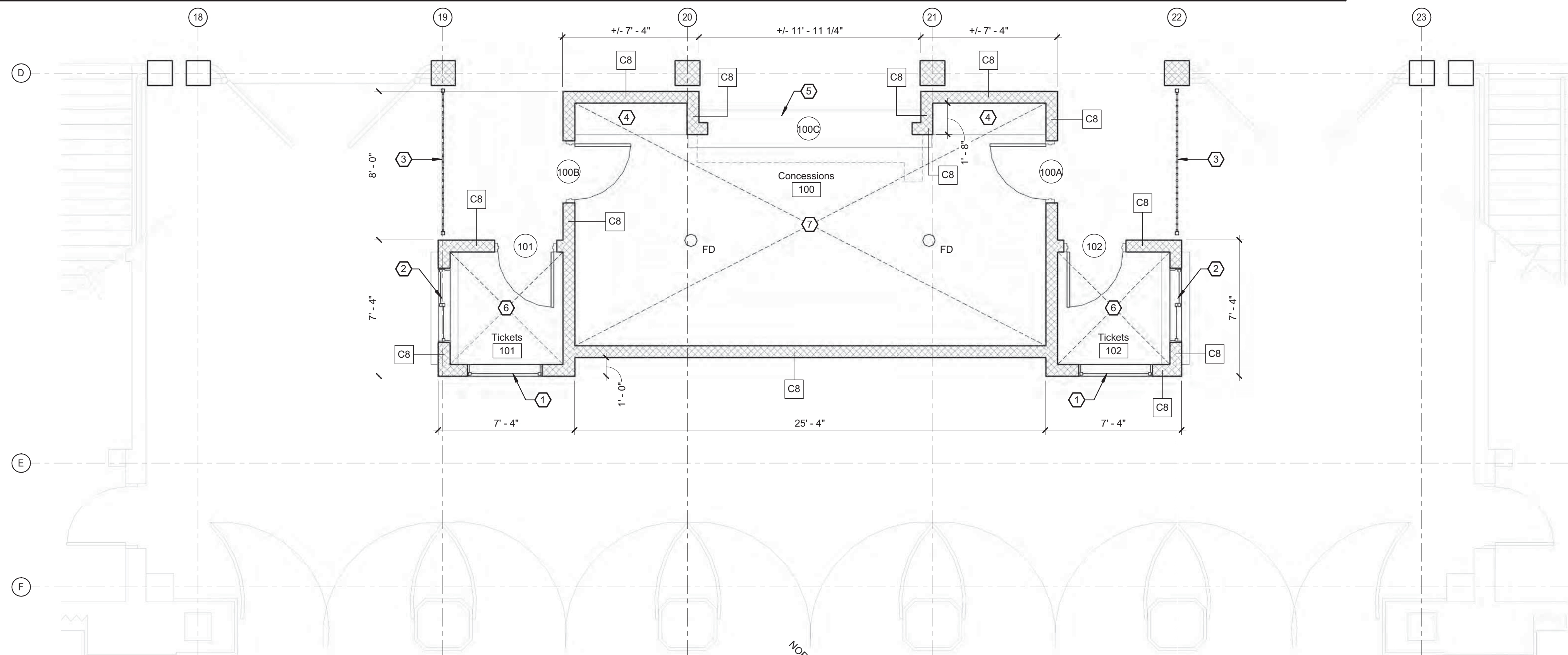
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C-101
All High
 Grading, Drainage &
 Utility Plan

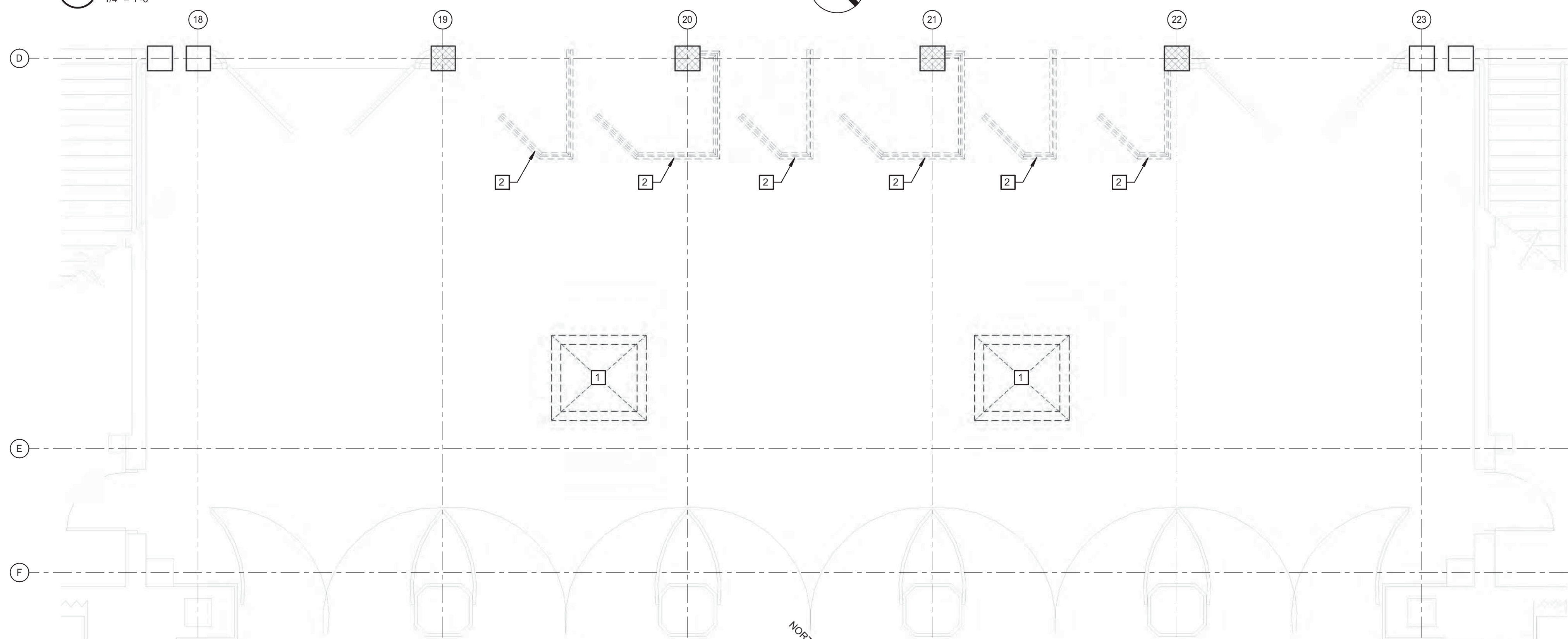
03.29.2019
 Design Development Set

DOOR #	DOOR SCHEDULE												HARDWARE	LABEL	THRESHOLD	REMARKS	DOOR #		
	DOOR				FRAME				GLASS	ELEVATION	TYPE	MATERIAL						FINISH	
	LEAFS	SIZE		THICK	TYPE	MATERIAL	FINISH												
LEVEL 1																			
100A		3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	-	HM	PT	VANDAL RESISTANT	-	-	-	GALV. 14GA HM DOOR & GALV. 12GA HM FRAME	100A
100B		3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	-	HM	PT	VANDAL RESISTANT	-	-	-	GALV. 14GA HM DOOR & GALV. 12GA HM FRAME	100B
100C		11' - 0"	4' - 0"		OVHD	STEEL	PT	-	-	-	-	STEEL	PT	VANDAL RESISTANT	-	-	-		100C
101		3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	-	HM	PT	VANDAL RESISTANT	-	-	-	GALV. 14GA HM DOOR & GALV. 12GA HM FRAME	101
102		3' - 0"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	-	HM	PT	VANDAL RESISTANT	-	-	-	GALV. 14GA HM DOOR & GALV. 12GA HM FRAME	102

CONSTRUCTION KEYNOTES	
NO.	DESCRIPTION
1	4'-0"W x 4'-0"H FIXED ALUMINUM WINDOW
2	4'-0"W x 4'-0"H HORIZONTAL SLIDING TRANSACTION WINDOW W/1'-6"D SOLID SURFACE COUNTERTOP AT SILL
3	8'-0"H DECORATIV FENCING
4	2'-0"D x 6'-0"L STAINLESS STEEL COUNTERTOP
5	2'-0"D x 12'-0"L STAINLESS STEEL COUNTERTOP AT CONCESSION WINDOW
6	CFMF ROOM CAP W/ 3/4" MARINE GRADE PLYWOOD & 5/8" EXTERIOR GRADE GYP. BD
7	120 MIN HORIZONTAL CEILING/ FLOOR ASSEMBLY (ROOM CAP)



2 CONCESSION & TICKET BOOTH BUILDING - RENOVATION WORK
 1/4" = 1'-0"



1 DEMOLITION PLAN - CONCESSION & TICKET BOOTH BUILDING
 1/4" = 1'-0"

DEMOLITION KEYNOTES	
NO.	DESCRIPTION
1	DEMOLISH EXISTING WOOD FRAMED TICKET BOOTH STRUCTURE IN ITS ENTIRETY. CONSTRUCTION CONSISTS OF 2X4 FRAMED WALLS WITH BEADBOARD CLADDING AND WOOD FRAMED ROOM CAP AT +/-8'-0" A.F.F.
2	REMOVE EMBEDDED PAINTED METAL ENTRANCE RAILING IN ITS ENTIRETY - PATCH & REPAIR CONCRETE AT REMOVAL LOCATIONS, TYP.

Drawn By: JMB
 Checked By: JMB
 Project Manager: DP

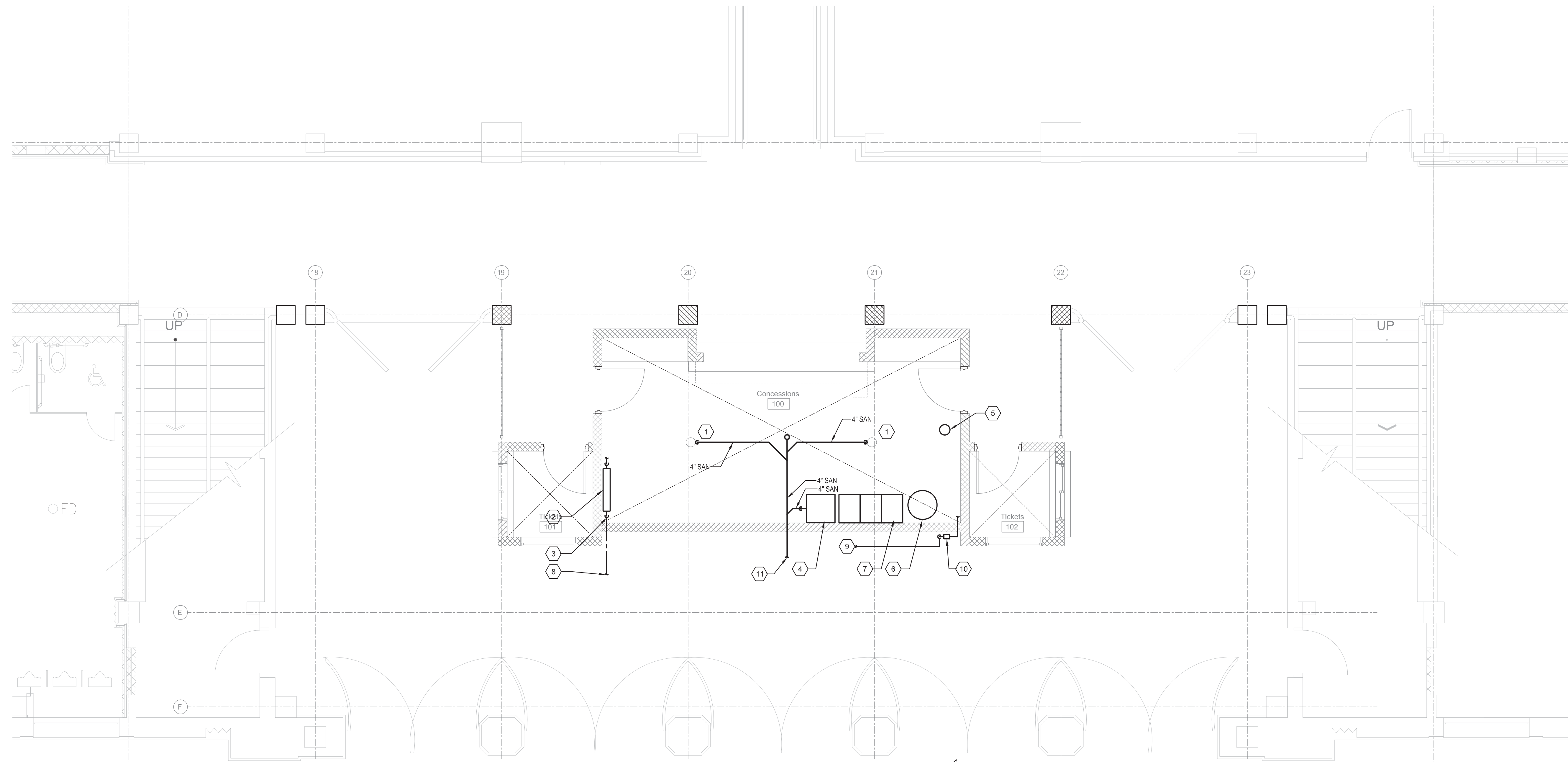
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 Concession Building & Ticket Booth Renovations
 3.29.2019
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1 FIRST FLOOR PLAN - TICKET BOOTHS & CONCESSION STAND
1/4" = 1'-0"

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 ELECTRIC WATER HEATER.
5. PROVIDE PEDESTAL EMERGENCY EYEWASH WITH 1/2" C. AND 1/2" H. TO MIXING VALVE AND 1/2" SAN.
6. PROVIDE GREASE INTERCEPTOR AND FLOW CONTROL DEVICE.
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.

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.

NEW BUILDING NOTES

WATER AND SANITARY SEWERS: EXCAVATE DOWN AT THE EXTERIOR OF BUILDING AND SAW CUT AND DISCONNECT SANITARY SEWER AND DOMESTIC WATER SERVICE PIPING. SANITARY SEWER AND WATER SERVICE SHALL BE REMOVED OR ABANDONED IN PLACE BELOW GRADE. SERVICES SHALL BE CAPPED OR PLUGGED AT THE ENDS AND MARKED AS 'ABANDONED IN PLACE'. EXISTING SANITARY SEWERS SHALL BE REMOVED BELOW THE FLOOR SLAB. 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 INSIDE THROUGH THE FOUNDATION WALL AND FLOOR SLAB AND BE LOCATED NEAR AN EXTERIOR WALL. FLOORS WILL BE SAW CUT TO PERMIT THE EXCAVATION REMOVAL AND REPLACEMENT OF EXISTING PIPING BELOW THE FLOOR SLAB. FLOORS WILL BE REPLACED AND TO MATCH EXISTING SURFACES.

EXISTING WATER METER PITS: METERS INSIDE STRUCTURES BELOW GRADE SHALL BE REMOVED AND A SPOOL PIECE PIPE SECTION WITH INSTALLED IN THE EXISTING PIT IN PLACE OF THE METER SET. AN INVESTIGATION OF THE EXISTING METER SHALL BE CONDUCTED JOINTLY WITH CITY OF BUFFALO PARKS PERSONNEL TO ASSESS IT FOR SALVAGE VALUE FOR REUSE AT OTHER SITES.

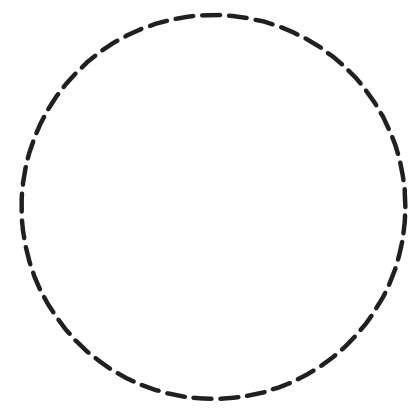
GAS SERVICE: COORDINATE WITH NATIONAL FUEL FOR THE REMOVAL OF GAS METER SET. ANY REMOVAL OF BELOW GRADE PIPING SHALL BE AS PER NATIONAL FUELS DISCRETION. A NEW METER SET AND SERVICE SIZED TO MATCH ANY BUILDING EQUIPMENT LOADS WILL BE PROVIDED BY NATIONAL FUEL. SCHEDULE 40 STEEL GAS PIPE EXTENDED TO ANY WATER HEATING, KITCHEN OR BUILDING HEATING EQUIPMENT INSIDE.

AN INVESTIGATION OF ALL EXISTING PLUMBING FIXTURES, WATER HEATERS AND SAFETY DEVICES SUCH AS EYEWASHES SHALL BE CONDUCTED JOINTLY WITH CITY OF BUFFALO PARKS PERSONNEL TO ASSESS SALVAGE VALUE FOR REUSE AT OTHER SITES. DISCONNECT AND REMOVE ANY FIXTURES AS REQUESTED BY THE CITY OF BUFFALO PARKS. SALVAGED EQUIPMENT SHALL BE REMOVED BY PARKS PERSONNEL OFF-SITE PRIOR TO THE DEMOLITION OF THE STRUCTURE. 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: COORDINATE WITH THE CITY OF BUFFALO PARKS FOR THE DISCONNECTION AND REMOVAL OF THE BUILDING WATER SUPPLY, WATER METER, ANY SUB-METERS AND ALL BACKFLOW PREVENTION DEVICES. THE METERS AND BACKFLOW PREVENTION DEVICES SHALL BE JOINTLY CONDUCTED FOR SALVAGE VALUE AND REUSE AT OTHER SITES BY BUFFALO PARKS PERSONNEL AND THE CONTRACTOR. THE WATER METERS AND BACKFLOW PREVENTION DEVICES SALVAGED SHALL BE REMOVED BY BUFFALO PARKS PERSONNEL OFF-SITE PRIOR TO THE DEMOLITION OF THE STRUCTURE. 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 DEVICE. A WATER SUPPLY AND METER COMPLYING WITH THE CITY OF BUFFALO DIVISION OF WATER REQUIREMENTS WILL BE PROVIDED. A REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE WILL BE PROVIDED DOWNSTREAM OF THE METER ON THE DOMESTIC WATER SERVICE 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 REMOVALS AND REPLACEMENTS 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.



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

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Revisions

NO.	DESCRIPTION

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

Community Foundation for Greater Buffalo
726 Exchange Street, Suite 525
Buffalo, NY 14210

P-101

All High
PLUMBING FIRST FLOOR PLAN

3.29.2019
Design Development

3/14/2019 1:37:57 PM

FILE PATH: C:\1-Local Revit Models\2019\18630.00 CFGB Parks - All High Stadium_Central File_sarahah.rvt

HVAC GENERAL NOTES LIST

- A. CONTRACTOR IS RESPONSIBLE FOR PROPER FIELD FITTING AND QUANTITY OF WORK. CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR FITTING NEW CONSTRUCTION TO EXISTING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY EXISTING CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION (TO MATCH EXISTING).
- B. CONTRACTOR IS RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL EXISTING CONDITIONS.
- C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.
- D. PROVIDE ALL CUTTING, PATCHING AND FIRE STOPPING REQUIRED TO ACCOMPLISH WORK SHOWN. PATCH AND SEAL OPENINGS TO MATCH ADJACENT EXISTING WALLS, FLOORS, CEILINGS, ETC. UNLESS OTHERWISE INDICATED. CONCEAL ALL WORK IN FINISHED AREAS UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT.
- E. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND EXISTING CONDITIONS (PIPING, DUCTWORK, EQUIPMENT, STRUCTURAL ELEMENTS, ETC.) PRIOR TO STARTING WORK. CONTRACTOR SHALL COORDINATE INSTALLATION OF EQUIPMENT, PIPING, AND DUCTWORK WITH EXISTING CONDITIONS AND OTHER TRADES. PROVIDE FITTINGS, TRANSITIONS, OFFSETS, ELEVATION CHANGES, ETC. TO MINIMIZE CONFLICTS WITH EXISTING CONDITIONS.
- F. CONTRACTOR SHALL COORDINATE CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- G. DRAWINGS ARE SCHEMATIC, AND SERVE TO INDICATE THE TYPE AND LOCATION OF MAJOR PIECES OF EQUIPMENT. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR A COMPLETE AND FIRST CLASS INSTALLATION. ADJUST THE LOCATION OF ALL DUCTWORK, PIPING, WIRING, EQUIPMENT, AND CONNECTIONS TO ACCOMMODATE ACTUAL CONSTRUCTION CONDITIONS ENCOUNTERED; OBTAIN APPROVAL FROM THE ENGINEER FOR ALL BUT MINOR CHANGES. IN ALL CASES EQUIPMENT AND DEVICES SHALL BE FULLY ACCESSIBLE AND MAINTAINABLE.
- H. INSTALL ALL EQUIPMENT AND SYSTEMS IN COMPLETE COMPLIANCE WITH GOVERNING CODES, MANUFACTURERS INSTALLATION INSTRUCTIONS, AND SPECIFICATIONS.
- I. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES AND ASSOCIATED COSTS BROUGHT ABOUT BY THE USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS FOR REASONS INCLUDING, BUT NOT LIMITED TO, THOSE ITEMS NOT MATCHING THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
- J. THE EXISTING MECHANICAL SYSTEMS, OR PORTIONS THEREOF, SHALL REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. ALL SYSTEM INSTALLATIONS AND EXISTING SYSTEM DEMOLITION SHALL BE COORDINATED TO MINIMIZE SYSTEM DOWNTIME.
- K. PROVIDE ANY AND ALL NECESSARY TEMPORARY SERVICES TO ADEQUATELY CONDITION THE BUILDING DURING ALL PHASES OF CONSTRUCTION. SCHEDULE SYSTEMS SHUTDOWNS WITH OWNER. SYSTEM SHUTDOWNS SHALL NOT INTERFERE WITH BUILDING OPERATIONS.
- L. COORDINATE PIPE & DUCT INSTALLATION WITH ELECTRICAL DEVICES. DO NOT INSTALL PIPING OR DUCTWORK IN PROHIBITED LOCATIONS SUCH AS ABOVE ELECTRICAL PANELS, WITHIN HIGH VOLTAGE ROOMS, ETC. COMPLY WITH NEC REQUIREMENTS.
- M. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWINGS FOR DIFFUSER AND REGISTER LOCATIONS WITH RESPECT TO OTHER ELEMENTS.
- N. CAP ALL DUCT OPENINGS AND OPEN ENDED PIPING CREATED BY REMOVALS WORK. THIS APPLIES TO THOSE ITEMS NOT IDENTIFIED FOR REUSE.

HVAC ABBREVIATIONS LIST

A	AMPERE(S)	F	FAHRENHEIT	PC	PLUMBING CONTRACTOR
A/C	AIR CONDITIONING	FA	FREE AREA	PD	PRESSURE DROP
ACCU	AIR COOLED CONDENSING UNIT	FCU	FAN COIL UNIT	PH	PHASE
ACU	AIR CONDITIONING UNIT	FD	FIRE DAMPER	PSI	POUNDS PER SQUARE INCH
AD	ACCESS DOOR	FDC	FLEXIBLE DUCT CONNECTOR	QTY	QUANTITY
ADA	AMERICANS WITH DISABILITIES ACT	FLA	FULL LOAD AMPS	RA	RETURN AIR
ADJ	ADJUSTABLE	FLR	FLOOR	RAD	STEAM RADIATOR
AFF	ABOVE FINISH FLOOR	FOB	FLAT ON BOTTOM	REF	REFLECTED CEILING PLAN
AFR	ABOVE FINISH ROOF	FOT	FLAT ON TOP	RCP	RADIANT CEILING PANEL
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	FPI	FINS PER INCH	RF	RETURN FAN
AHU	AIR HANDLING UNIT	FPM	FEET PER MINUTE	RFA	RELIEF AIR
APD	AIR PRESSURE DROP	FSD	FIRE SMOKE DAMPER	RHC	RE-HEAT COIL
AVG	AVERAGE	FT	FEET	RPM	REVOLUTIONS PER MINUTE
AWT	AVERAGE WATER TEMPERATURE	FTR	FIN-TUBE RADIATION	RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
B	BOILER	G	GAS	RTU	ROOF TOP UNIT
BDD	BACK DRAFT DAMPER	GAL	GALLONS	RV	PRESSURE RELIEF VALVE
BHP	BRAKE HORSE POWER	GC	GENERAL CONTRACTOR	S/S	STAINLESS STEEL
BMS	BUILDING MANAGEMENT SYSTEM	GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
BOD	BOTTOM OF DUCT	HC	DUCT HEATING COIL	SD	SMOKE DAMPER
BOP	BOTTOM OF PIPE	HD	HEAD	SF	SUPPLY FAN
BP	BOILER PUMP	HP	HORSEPOWER	SP	STATIC PRESSURE
BSMT	BASEMENT	HVAC	HEATING, VENTILATING, AIR CONDITIONING	SRV	STATIONARY ROOFTOP VENTILATOR
BTU	BRITISH THERMAL UNIT	HWP	HOT WATER PUMP	TA	TRANSFER AIR
C	COMMON	HX	HEAT EXCHANGER	TC	TEMPERATURE CONTROL
CFM	CUBIC FEET PER MINUTE	HZ	HERTZ	TYP	TYPICAL
CO	CLEAN OUT	IN	INCH	UH	UNIT HEATER
COND	CONDENSER/CONDENSATE	INT	INTERNAL	V	VOLT
CONV	CONVECTOR	IW	INDIRECT WASTE	VAV	VARIABLE AIR VOLUME
CP	CIRCULATING PUMP	KW	KILOWATT	VD	VOLUME DAMPER
CT	COOLING TOWER	LAT	LEAVING AIR TEMPERATURE	VFD	VARIABLE FREQUENCY DRIVE
CUH	CABINET UNIT HEATER	LBS	POUNDS	W	WATTS
CV	CONTROL VALVE	LDB	LEAVING DRY BULB TEMPERATURE	WB	WET BULB
CWP	CONDENSER WATER PUMP	LF	LINEAR FEET	WC	WATER COLUMN
DB	DRY BULB	LV	LOUVER	WG	WATER GAGE
DC	DRY COOLER	LWB	LEAVING WET BULB TEMPERATURE	WPD	WATER PRESSURE DROP
DDC	DIRECT DIGITAL CONTROL	LWT	LEAVING WATER TEMPERATURE		
DIA	DIAMETER	MAU	MAKE-UP AIR UNIT		
DM	DAMPENER MOTOR	MAX	MAXIMUM		
DN	DOWN	MBH	THOUSAND BRITISH THERMAL UNITS		
DS	DUCT SILENCER	MC	MECHANICAL CONTRACTOR		
DSS	DUCTLESS SPLIT SYSTEM	MCA	MINIMUM CIRCUIT AMPS		
DWG	DRAWING	MD	MOTORIZED DAMPER		
DX	DIRECT EXPANSION	MFR	MANUFACTURER		
EA	EXHAUST AIR	MIN	MINIMUM		
EAT	ENTERING AIR TEMPERATURE	MOC	MAXIMUM OVER CURRENT PROTECTION		
EC	ELECTRICAL CONTRACTOR	NC	NORMALLY CLOSED		
EDB	ENTERING DRY BULB TEMPERATURE	NO	NORMALLY OPEN		
EER	ENERGY EFFICIENCY RATIO	OA	OUTSIDE AIR		
EF	EXHAUST FAN	OAT	OUTSIDE AIR TEMPERATURE		
EFF	EFFICIENCY	OC	ON CENTER		
EQ	EQUIPMENT	OED	OPEN ENDED DUCT		
ERV	ENERGY RECOVERY VENTILATOR	OEM	ORIGINAL EQUIPMENT MANUFACTURER		
ESP	EXTERNAL STATIC PRESSURE				
ET	EXPANSION TANK				
ETR	EXISTING TO REMAIN				
EWB	ENTERING WET BULB				
EWT	ENTERING WATER TEMPERATURE				
EX	EXISTING				
EXT	EXTERNAL				

HVAC DUCTWORK SYMBOL LIST

	DUCTWORK
	EXISTING DUCTWORK TO REMAIN
	EXISTING DUCTWORK TO BE REMOVED
	EQUIPMENT
	EXISTING EQUIPMENT TO REMAIN
	EXISTING EQUIPMENT TO BE REMOVED
	DUCT TYPE, SIZE, & FLOW DIRECTION – FIRST FIGURE IS SIDE SHOWN
	TRANSITION, CONCENTRIC
	TRANSITION, ECCENTRIC
	DUCT SECTION, POSITIVE PRESSURE
	DUCT SECTION, NEGATIVE PRESSURE
	POSITIVE PRESSURE DUCT THRU FLOOR OR ROOF
	NEGATIVE PRESSURE DUCT THRU FLOOR OR ROOF
	INCLINED RISE (R) OR DROP (D), ARROW IN DIRECTION OF AIR FLOW
	STANDARD BRANCH CONNECTION, NO SPLITTER
	MITERED ELBOW WITH TURNING VANES
	RADIUSED ELBOW
	AIR OUTLETS, CEILING (TYPE AS SPECIFIED/SCHEDULED)
	AIR INLETS, CEILING (TYPE AS SPECIFIED/SCHEDULED)
	AIR INLET/OUTLET, SIDE WALL, SQUARE OR RECTANGULAR (TYPE AS SPECIFIED/SCHEDULED)
	AIR INLET/OUTLET, CEILING, LINEAR (TYPE AS SPECIFIED/SCHEDULED)
	ACCESS DOOR, SIDE OR BOTTOM
	ACOUSTICAL DUCT LINING, MAINTAIN INSIDE CLEAR DIMENSION AS NOTED IN PLAN
	DUCT CAP
	FLEXIBLE DUCT CONNECTION
	POSITIVE PRESSURE DUCT DOWN
	NEGATIVE PRESSURE DUCT DOWN
	DUCT BREAK
	FIRE DAMPER, "X" DENOTES RATING 1=1.5HR, 3=3HR
	SMOKE DAMPER
	FIRE SMOKE DAMPER, "X" DENOTES RATING 1=1.5HR, 3=3HR
	MOTORIZED AIR DAMPER, ELECTRIC OR PNEUMATIC
	MANUAL VOLUME DAMPER
	UNDERCUT DOOR
	DOOR LOUVER
	RETURN/EXHAUST, GRILLE OR REGISTER IDENTIFICATION
	SUPPLY, DIFFUSER/GRILLE/REGISTER IDENTIFICATION

HVAC REFERENCE SYMBOL LIST

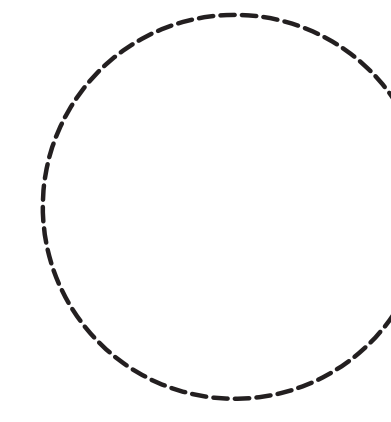
	CONNECT NEW TO EXISTING
	TERMINATION POINT OF DEMOLITION
	SECTION TOP CHARACTER INDICATES SECTION NUMBER, BOTTOM CHARACTER INDICATES DRAWING ON WHICH SECTION APPEARS
	KEYED NOTE
	DEMOLITION KEYED NOTE
	REVISION KEYED NOTE

HVAC PIPING SYMBOL LIST

	PIPING, NEW WORK – TYPE AS INDICATED
	EXISTING PIPING TO REMAIN – TYPE AS INDICATED
	EXISTING PIPING TO BE REMOVED – TYPE AS INDICATED
	DIRECTION OF FLOW
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	TRIPLE DUTY VALVE
	PLUG VALVE
	GLOBE VALVE
	PRESSURE REDUCING VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	CHECK VALVE
	STRAINER
	STRAINER WITH BLOWN DOWN VALVE AND CAP
	DRAIN VALVE WITH CAP
	FLOW BALANCER
	RELIEF (R) OR SAFETY (S) VALVE
	STEAM TRAP
	PIPE CAP
	CONNECTION, BOTTOM (GENERIC)
	CONNECTION, TOP (GENERIC)
	ELBOW UP (GENERIC)
	ELBOW DOWN (GENERIC)
	TEE (GENERIC)
	REDUCER, ECCENTRIC
	REDUCER, CONCENTRIC
	FLANGE
	UNION
	ALIGNMENT GUIDE
	ANCHOR
	PRESSURE-TEMPERATURE PORT
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	DIRECTION OF PITCH, RISE OR DROP
	THERMOMETER
	PRESSURE GAUGE
	EXPANSION JOINT
	EXPANSION COMPENSATOR
	EXPANSION LOOP
	FLEXIBLE CONNECTOR
	PIPE BREAK

CODES

- INTERNATIONAL PLUMBING CODE (2015) INCLUDING NYS AMENDMENTS (2107) (2019 PENDING)
- INTERNATIONAL FUEL GAS CODE (2015) INCLUDING NYS AMENDMENTS (2107) (2019 PENDING)
- INTERNATIONAL MECHANICAL CODE (2015) INCLUDING NYS AMENDMENTS (2107) (2019 PENDING)
- INTERNATIONAL ENERGY CONSERVATION AND CONSTRUCTION CODE (2015) INCLUDING NYS AMENDMENTS (2107) (2019 PENDING)
- ELECTRICAL CODE AND NFPA 72
- NEW YORK STATE HEALTH DEPARTMENT CROSS CONNECTION CONTROL MANUAL FOR DOMESTIC WATER BACKFLOW PREVENTION
- NEW YORK STATE HEALTH DEPARTMENT PART 14 - SUBPART 14.1 FOOD SERVICE ESTABLISHMENTS
- ERIE COUNTY HEALTH DEPARTMENT CODES AND THEIR REQUIREMENTS FOR FOOD SERVING KITCHENS
- CITY OF BUFFALO PLUMBING CODE REQUIREMENTS AS PER THE PLUMBING INSPECTION DEPARTMENT
- CITY OF BUFFALO DIVISION OF WATER REQUIREMENTS FOR WATER MAINS AND BACKFLOW PREVENTION
- BUFFALO SEWER AUTHORITY - (BSA) - REQUIREMENTS FOR SANITARY SEWER EXTENSIONS TO SITE STRUCTURES



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

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Revisions

COVER DRAWING

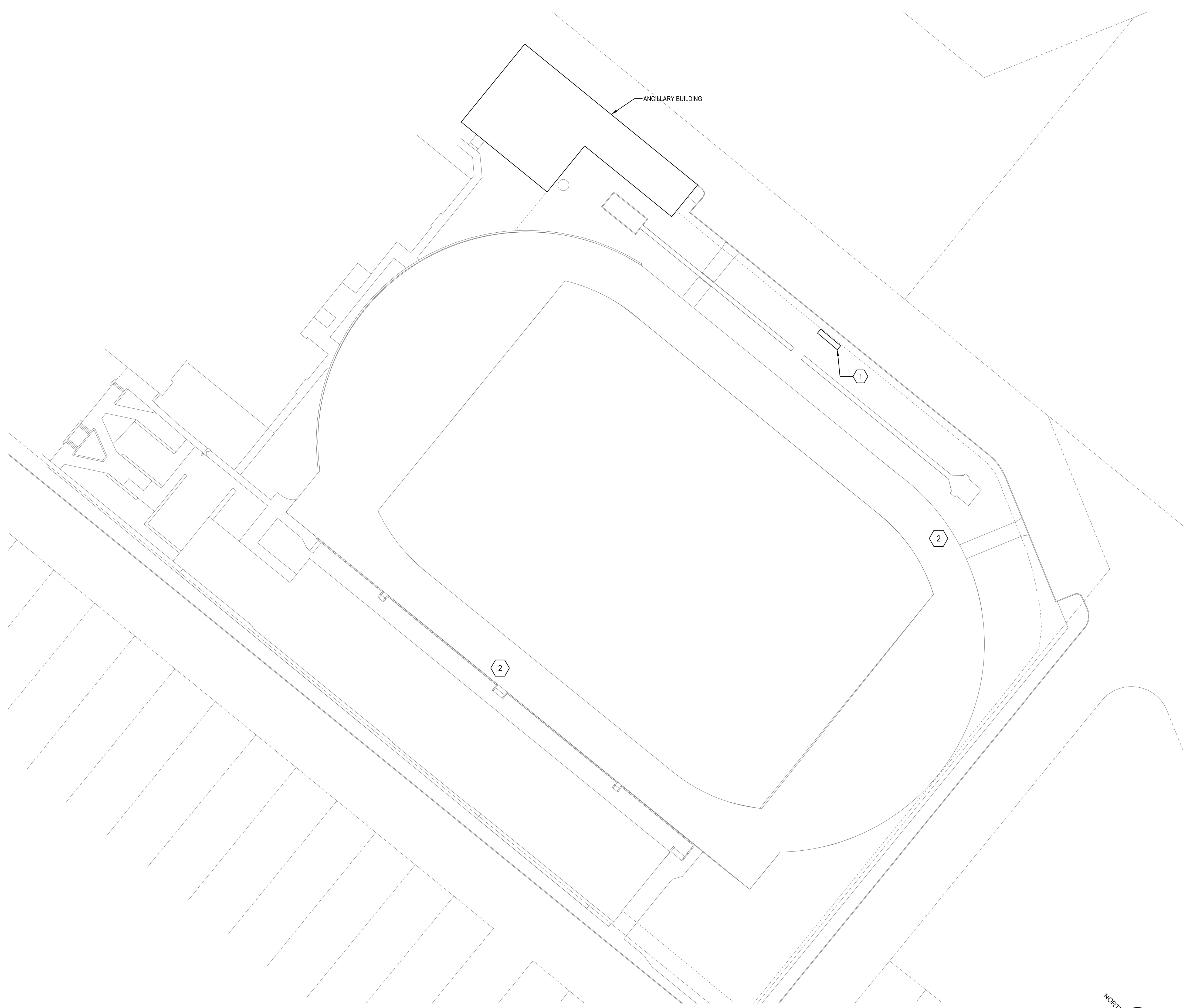
SWBR Project Number 18630.00

City of Buffalo Parks & Buffalo
Public School Facilities Survey
& Design Development
Client Address

M-001

COVER SHEET

4.1.2019
Design Development



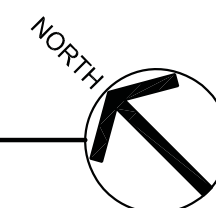
LEGEND:

- 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 2 POLE, 60 AMP NEMA 3R DISCONNECT SWITCH AND A CIRCUIT CONSISTING OF (2) #6 AWG CONDUCTORS WITH (1) #10 EQUIPMENT GROUNDING CONDUCTOR IN 1" CONDUIT TO EXISTING PANEL IN CONCESSION BUILDING.
2. RECOMMISSION EXISTING SPEAKERS SO THAT SPEAKERS ARE POSITIONED TOWARDS FIELD. PROVIDE PRE-COMMISSION SOUND LEVELS AND POST COMMISSION SOUND LEVELS.

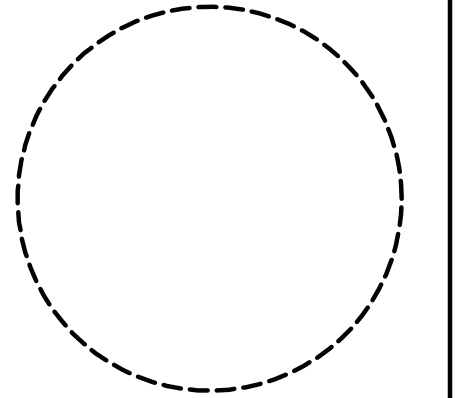
1 ALL HIGH SITE ELECTRICAL PLAN
1" = 40'-0"



SWBR

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585 232 8300 rochester@swbr.com

WATTS
ARCHITECTURE & ENGINEERING



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

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Revisions

NO.	DATE	DESCRIPTION

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 Public School Facilities Survey &
 Design Development
 SWBR Project Number 18630.00

Community Foundation for
 Greater Buffalo
 726 Exchange Street, Suite 525
 Buffalo, NY 14210

E-101
 All-High
 ELECTRICAL SITE
 PLAN

3.29.2019
 Design Development Set