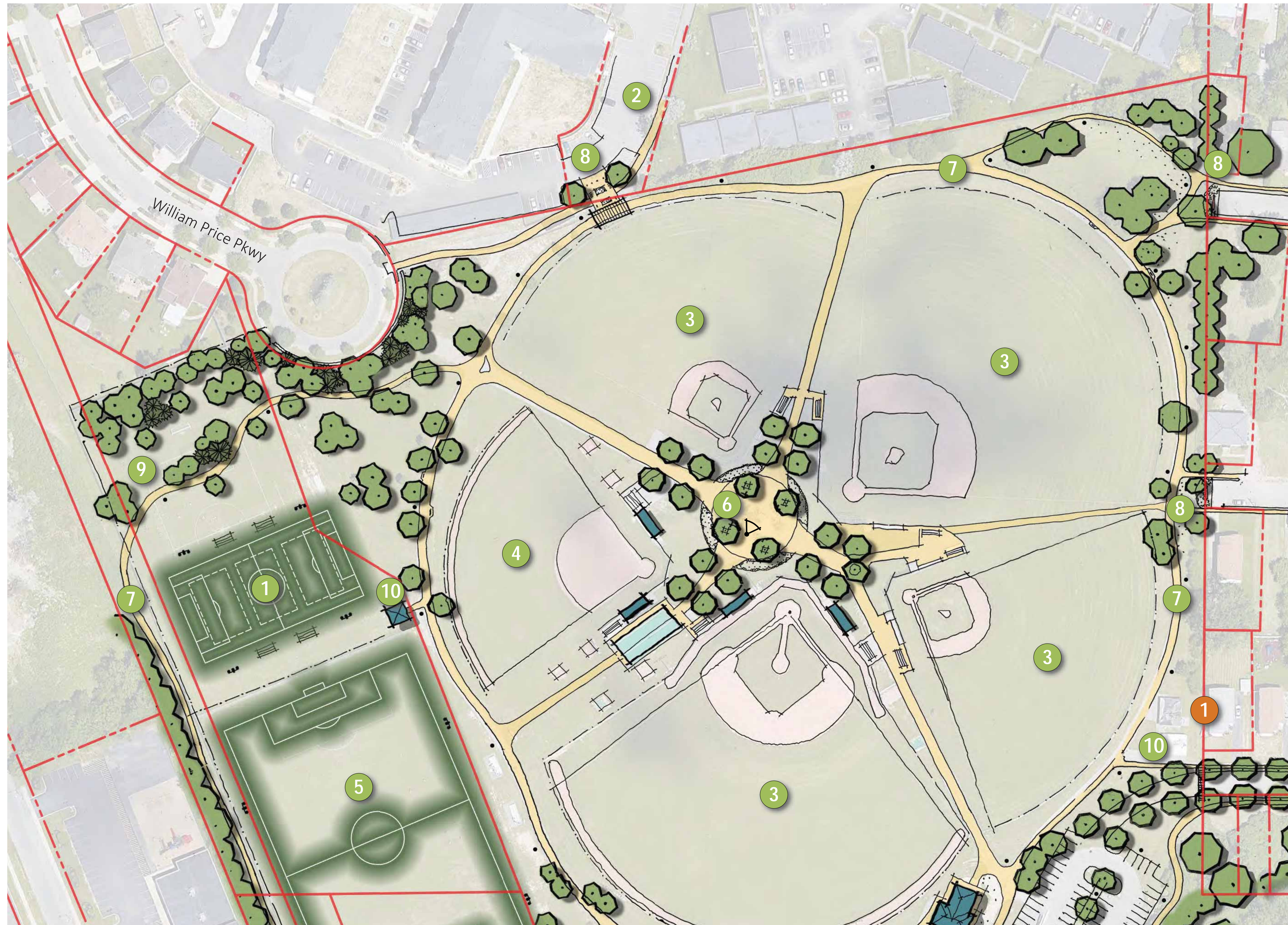


McCarthy Park

Site Inventory & Analysis





SITE LEGEND:

- 1 Youth Soccer Field
- 2 Existing Park Parking
- 3 Existing Baseball Field
- 4 Existing Softball Field
- 5 Existing Soccer Field
- 6 Gathering Space
- 7 Trail
- 8 Neighborhood Connections / Entry
- 9 Vegetative Buffer
- 10 Storage
- 1 Demolish Existing Structures
- Pathway Lighting
- Field Lighting
- Scoreboard
- ▽ Security Camera

McCarthy Park (North End)

Schematic Design



SWBR



SITE LEGEND:

- 1 Existing Soccer Field
- 2 Existing Football Field
- 3 Existing Basketball Courts
- 4 Existing Baseball Field
- 5 Reconfigured Parking Lot
- 6 Children's Play
- 7 Shade Shelter / Pavilion
- 8 Restrooms & Storage
- 9 Concessions
- 10 Trail
- 11 Neighborhood Connections / Entry
- 12 Existing Tennis Courts
- 13 ADA Compliant Fitness Area
- 14 Boulder Barrier
- Pathway Lighting
- Field Lighting
- Scoreboard
- ▽ Security Camera

McCarthy Park (South End)

Schematic Design



SWBR

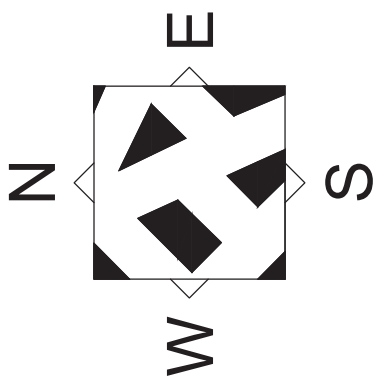
E-101 Electrical Site Plan
E-102 Electrical Site Plan

3.29.2019

Design Development Set



VICINITY MAP



NOTES:

MAPPING COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY
FLOWN DECEMBER 2018

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE
AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN
EXAMINATION OF SUCH.

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

ELEVATIONS ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.

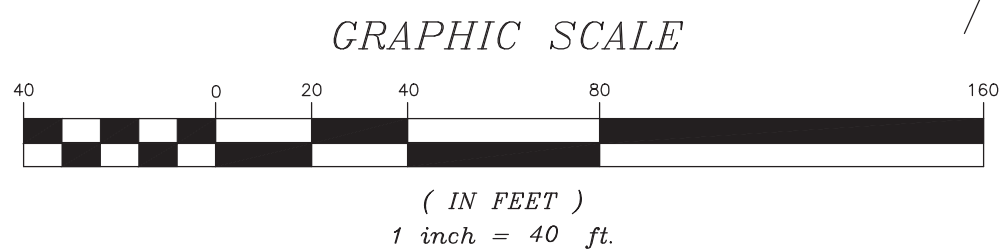
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EMBOSSSED SEAL AND SIGNATURE SHALL BE CONSIDERED TO BE VALID TRUE
COPIES.

ALL UNDERGROUND UTILITIES ARE DEPICTED AT SUE "QUALITY LEVEL C" AND HAVE
BEEN LOCATED FROM FIELD SURVEY AND RECORD INFORMATION PROVIDED. THE
SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN
COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE
SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN
AT QUALITY LEVEL C ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH THEY ARE
LOCATED AS ACCURATELY AS POSSIBLE FROM RECORD INFORMATION AVAILABLE, THE
SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

THE FOLLOWING UTILITY COMPANIES WERE REQUESTED TO PROVIDE THE SURVEYOR
THE LOCATION OF THEIR UNDERGROUND FACILITIES THIN THE LIMITS OF THIS
SURVEY.

UTILITY COMPANY / AGENCY	FACILITY	RESPONDED	AFFECTED
AT&T	FIBER, TELEPHONE	YES	NO
BUFFALO SEWER AUTHORITY	SEWER	YES	YES
CITY OF BUFFALO	TRAFFIC SIGNAL & PHONE	YES	YES
CITY OF BUFFALO WATER AUTHORITY	WATER	YES	YES
FIBERTECH NETWORKS NY	FIBER	NO	-
LIGHTTOWER FIBER TECHNOLOGIES	FIBER	YES	-
MCI	FIBER	NO	-
NATIONAL FUEL GAS BUFFALO	GAS	NO	-
NATIONAL FUEL GAS TONAWANDA	GAS	NO	-
NATIONAL GRID/WEST/ELECTRIC	ELECTRIC	YES	YES
TIME WARNER CABLE - BUFFALO	FIBER AND CABLE	YES	YES
VERIZON BUFFALO	FIBER AND PHONE	YES	YES

CORDOVA STREET (60' WIDE)
LASALLE AVENUE (60' WIDE)
STREET



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	AIR VENT
INTERD OBS INTERD	TRAIL	HEAT PUMP / AC
SIDEWALK	BUILDING (MISC)	VALVE
DECK	CREEK	LANDSCAPE
STEPS	SOFTBREAK	END EXP JOINT
GRID (w/text)	HARDBREAK	ROAD CENTERLINE
RR	OBSURED AREA	UTILITY BOX
SIGN/OH SIGN	UNPAVED SHOULDER	GREENS
ROAD PAINT	BUILDINGS (TEMP)	TRAPS_BUNKERS
PKG PAINT	CANOPY	TEES
TRAVELWAY	FENCE_GATE	INDEFINITE AREA
PAVED DRIVE	PHONE	CULTIVATED_FIELD
UNPAVED DRIVE	GUY	DOCK
BRUSH	RAMP	BRIDGE ROAD
CONTEXT 110	SMOKE	BRIDGE CURB
BRIDGE	OH PIPE	BRIDGE SIDEWALK
MAPPING LIMITS	OH WALK	MID_EXP JOINT
SLAB, CONCRETE	CONVEYOR	BRIDGE-BREAK
WALL	LANDFILL	OBSURED BREAK
	OPEN STORAGE	

SYMBOLS

□ CB	ROUND	○ CB	HANDI-CAP
□ SQUARE			• VALVE
□ CB			• FLAG
◇ DI			■ UNOB
◇ DECIDUOUS BUSH			□ RAILSIG
* CONIFEROUS BUSH			△ RAILSW
x TC			□ TRABOX
⊙ MH			• RUNLIGHT
• LAMPOST			• TAXLIGHT
⊙ DECIDUOUS TREE			• TRASIG
* CONIFEROUS TREE			• TREEBOLE
▷ SIGN			■ MB
• POST			• VERT
0.0 SPOT			• HOR
			• HV



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

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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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Buffalo, NY 14210

L-000
MCCARTHY

Existing
Conditions/Survey

03.29.2019
Design Development Set



DEMOLITION LEGEND

- [Cross-hatched box] DEMOLISH EXISTING BUILDING AND DISPOSE OFF SITE. CONCRETE FOUNDATIONS/WALLS/SLABS AND GRANULAR BASE MATERIALS TO BE REMOVED.
- [Solid grey box] EXISTING PAVEMENT, CURBING, AND AGGREGATE BASE MATERIAL TO BE REMOVED AND DISPOSED OFF SITE.
- [Diagonal lines box] EXISTING PLAYGROUND EQUIPMENT, SAFETY SURFACE MATERIAL (EWF), AND FOOTINGS TO BE REMOVED AND DISPOSED OFF SITE.
- [X symbol] SITE ELEMENT TO BE REMOVED AND DISPOSED OFF SITE IN A LEGAL MATTER.
- [Dashed line] SAW CUT LINE
- [Tree symbol] TREE TO REMAIN AND BE PROTECTED
- [Tree with X symbol] TREE TO BE REMOVED

GENERAL DEMOLITION NOTES

- CONTRACTOR TO REMOVE & DISPOSE OF ALL ITEMS INDICATED & ANY ITEMS INCIDENTAL TO THE CONSTRUCTION AS REQUIRED.
- 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.
- UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL HAVE ALL UNDERGROUND FACILITIES LOCATED AND MARKED PRIOR TO EXCAVATION/DEMOLITION CONSTRUCTION.
- REMOVE CONCRETE SIDEWALK AND/OR PAVEMENT TO THE LIMITES INDICATED. SAW CUT CONCRETE TO THE NEAREST EXISTING CONTROL/EXPANSION JOINT.
- CONTRACTOR SHALL MARK TREES (DESIGNATED FOR REMOVAL) IN THE FIELD AND OBTAIN OWNER'S ON-SITE REPRESENTATIVE APPROVAL PRIOR TO BEGINNING REMOVALS.
- CLEAR AND GRUB ALL VOLUNTEER VEGETATION, AS INDICATED.
- ALL EXISTING SITE FURNITURE TO BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED.

SITE DEMOLITION NOTES	
NO.	DESCRIPTION
1	SALVAGE EXISTING PARK SIGN
2	REMOVE AND DISPOSE OF CHAIN LINK FENCE, POSTS, AND FOOTERS. CLEAR AND GRUB VEGETATION
3	REMOVE AND SALVAGE CHAIN LINK FENCE FABRIC, TOP, MIDDLE, AND BOTTOM RAILS (~20' HT). EXCAVATE POSTS, FOOTERS, AND MOW STRIP PAVEMENT. CLEAR AND GRUB ALL VEGETATION ALONG FENCE LINE.
4	REMOVE AN SALVAGE CHAIN LINK FENCE FABRIC, TOP AND BOTTOM RAILS. EXCAVATE ASPHALT MOW STRIP. FENCE POSTS TO REMAIN IN PLACE.
5	REMOVE EXISTING BOLLARD. REPLACE WITH CITY STANDARD LOCKABLE BOLLARD
6	BLEACHER TO BE SALVAGED FOR REUSE ON SITE
7	PROTECT IN-SITE EXISTING MEMORIAL STRUCTURE
8	EXISTING BATTING CAGE. REMOVE AND DISPOSE OF SYNTHETIC TURF AND WOOD FRAME BASE. STONE BASE AND STEEL COLUMNS TO REMAIN.
9	REMOVE AND DISPOSE OF EXISTING PLAY EQUIPMENT INCLUDING FOOTERS (SIZE ~ 18" DIA X 4' DEEP)
10	DEMOLISH AND DISPOSE OF EXISTING PT. WOOD STAIRS
11	SALVAGE AND STOCKPOLE STONE BOULDERS FOR REUSE ON SITE
12	REMOVE GRASS AND WEEDS FROM WARNING TRACK
13	REMOVE AND LEGALLY DISPOSE OF MISC. DEBRIS FROM CITY PARK PROPERTY
14	REMOVE AND DISPOSE OF STEEL RIBBON GUIDERAIL POST AND CONCRETE FOOTERS
15	CLEAR AND GRUB ALL VEGETATION UNDER AND AROUND FENCE.
16	DEMOLISH (2) EXISTING BUILDINGS, REFER TO ARCHITECTURAL DRAWINGS
17	EXISTING CONCESSION BUILDING TO BE RENOVATED. REFER TO ARCHITECTURAL DRAWINGS.
18	CLEAR AND GRUB UNDERSTORY VEGETATION INCLUDING INVASIVE SPECIES, WEED AND OTHER EARLY SUCCESSIONAL PLANT MATERIALS. LANDSCAPE ARCHITECT TO TAG MATERIALS TO REMAIN.
19	CLEAR AND GRUB ALL VEGETATION TO TOP OF ROCK LEDGE / SLOPE. ENTIRE WEST PROPERTY LINE.
20	REMOVE AND SALVAGE BENCH. EXCAVATE AND DISPOSE OF CONCRETE PAD.
21	REMOVE AND SALVAGE EXISTING LOCKABLE BOLLARDS FOR REUSE
22	SALVAGE EXISTING SCOREBOARD
23	SALVAGE EXISTING FLAGPOLE
24	REMOVE AND DISPOSE OF 4 TIER BLEACHER
25	FILL EROSION GULLY

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

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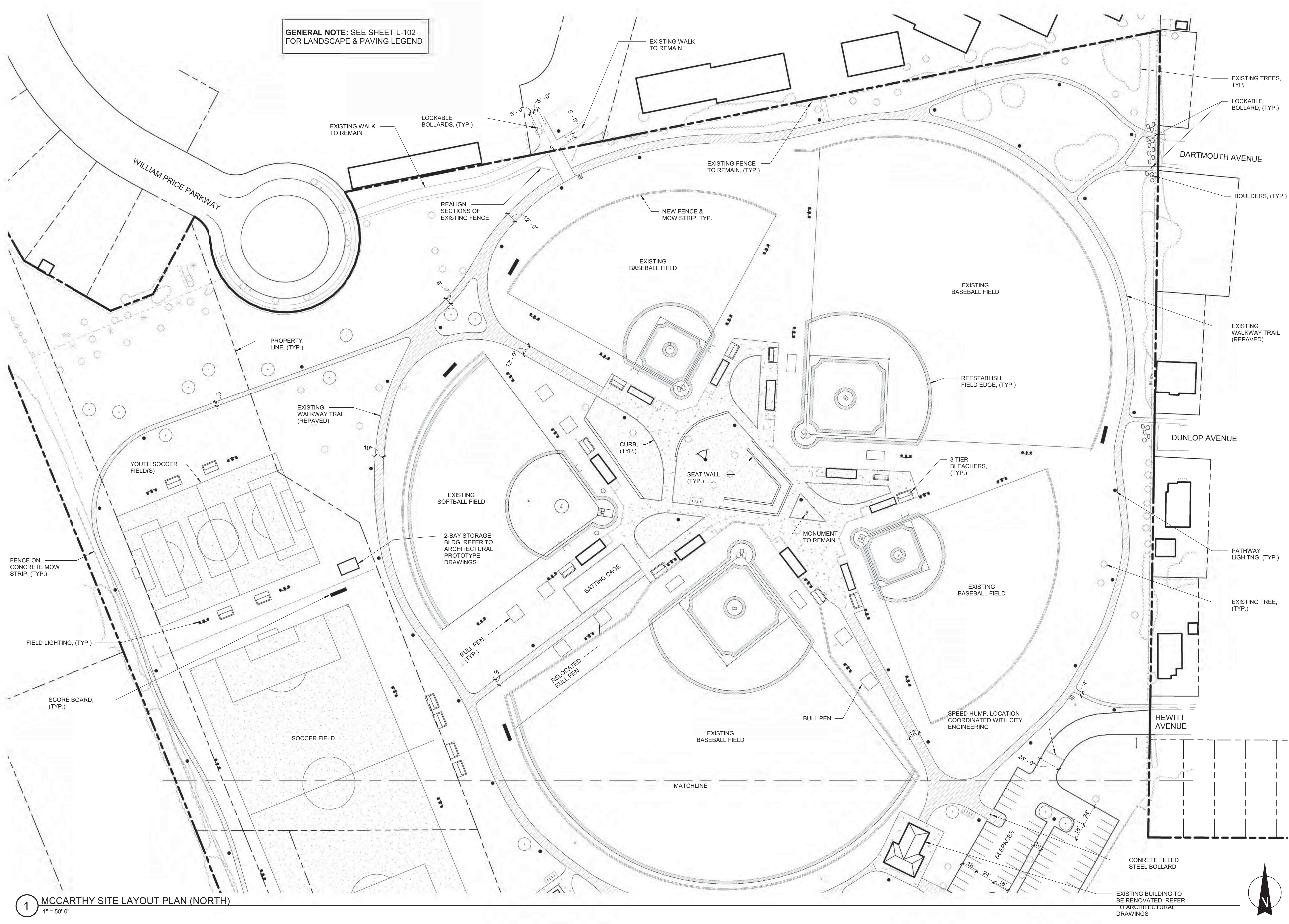
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SWBR Project Number 18630.00

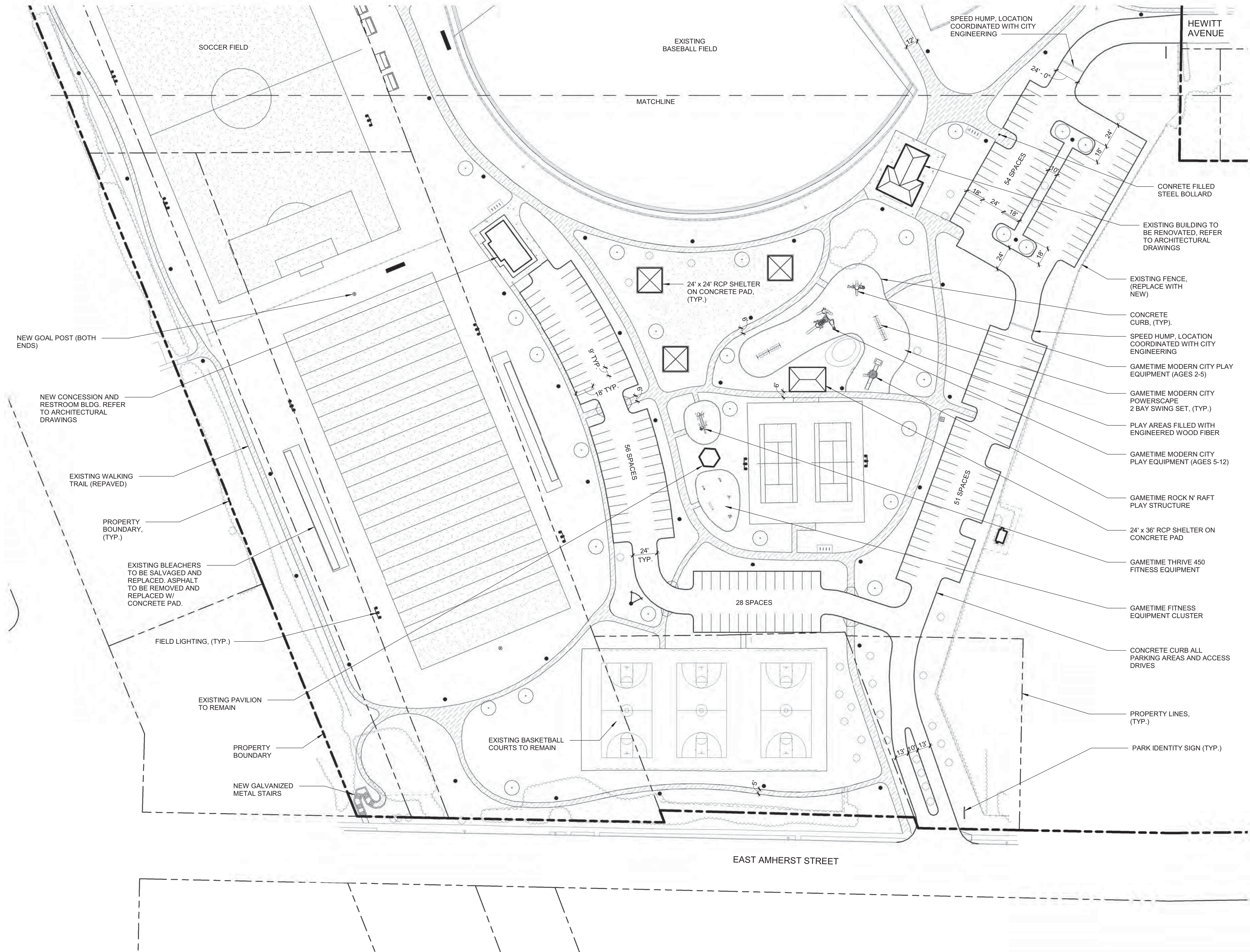
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L-004

McCarthy
Demolition Plan







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

ALL ATHLETIC FIELDS ARE GRASS TURF

COMPLY WITH NFHS FIELD SIZE STANDARDS FOR SOFTBALL, BASEBALL, FOOTBALL, SOCCER, LACROSSE AND STANDARD LITTLE LEAGUE BASEBALL

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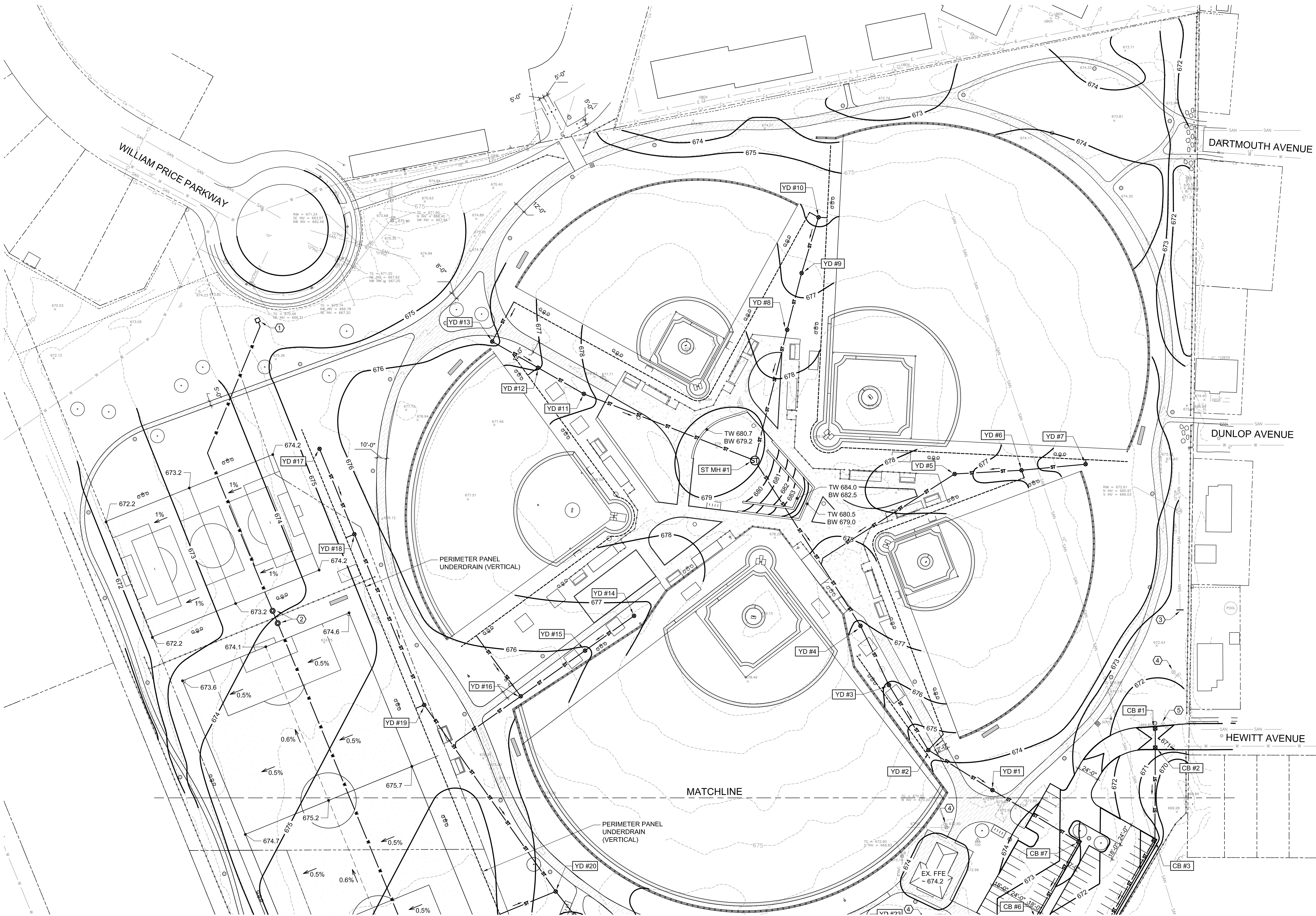
L-102

McCarthy

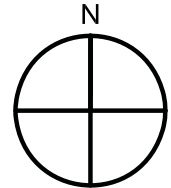
Site Layout Plan
(South)

03.29.2019
Design Development Set





GRADING, DRAINAGE & UTILITY PLAN (NORTH)
SCALE: 1" = 50'



NOTE: SEE SHEET C-102 FOR GRADING,
DRAINAGE AND UTILITY NOTES AND LEGEND

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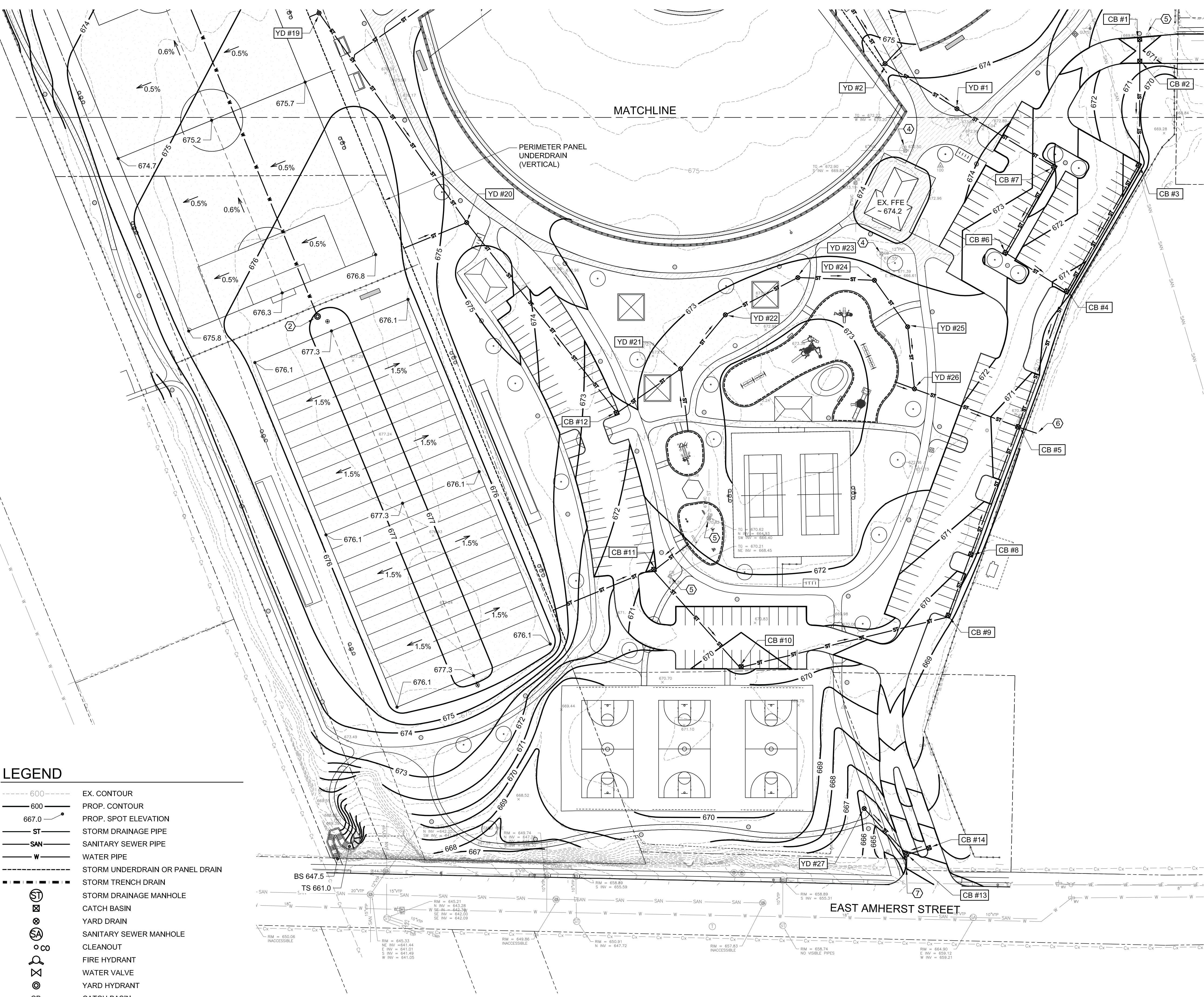
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C-101
McCarthy
Grading, Drainage &
Utility Plan (North)

03.29.2019
Design Development Set

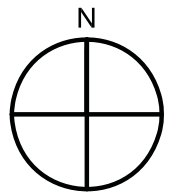


LEGEND

- 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
- CLEANOUT
- FIRE HYDRANT
- WATER VALVE
- YARD HYDRANT
- 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 SOUTH

SCALE: 1" = 50'



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.
3. THE PROJECT MAY BE SUBJECT TO THE REQUIREMENTS OF NYSDEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY, GP-0-15-002. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED FOR THE PROJECT AS WELL AS EROSION AND SEDIMENT CONTROL PLANS PREPARED IN ACCORDANCE WITH THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL."
4. STORMWATER MANAGEMENT SYSTEM (WATER QUANTITY AND QUALITY MEASURES) TO BE DESIGNED TO MEET SWPPP REQUIREMENTS DURING FINAL DESIGN.

UTILITY KEY NOTES

①	CONNECT NEW WATER SERVICE TO EX. WATER SERVICE FROM HOT BOX
②	NEW YARD HYDRANT TO CONNECT TO NEW WATER LINE
③	12" EX. ASBESTOS CEMENT SEWER PIPE TO BE REPLACED WHERE PIPE HAS COLLAPSED
④	ADJUST EX. CATCH BASIN OR YARD DRAIN TO FINISH GRADE
⑤	REMOVE EX. CATCH BASIN OR YARD DRAIN
⑥	OUTLET STORM PIPE TO EX. BUFFALO SEWER AUTHORITY PROPERTY, INV ELEV ~664.0
⑦	OUTLET STORM PIPE TO EX. COMBINED SEWER

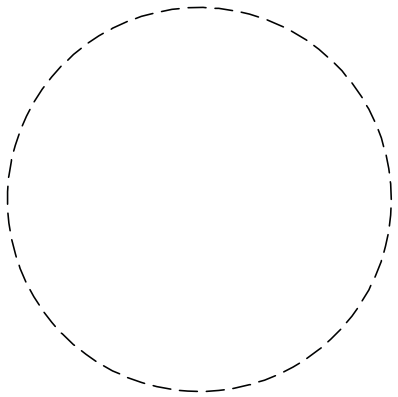
STORM DRAINAGE STRUCTURES

I.D.	DESCRIPTION	RIM	INVERT
ST MH #1	STORM MANHOLE	679.0	672.0
CB #1	CATCH BASIN	670.6	667.6
CB #2	CATCH BASIN	670.6	667.4
CB #3	CATCH BASIN	670.6	666.9
CB #4	CATCH BASIN	670.6	666.2
CB #5	CATCH BASIN	670.0	664.3
CB #6	CATCH BASIN	672.0	668.6
CB #7	CATCH BASIN	672.5	669.1
CB #8	CATCH BASIN	670.0	665.0
CB #9	CATCH BASIN	669.1	665.3
CB #10	CATCH BASIN	669.3	666.3
CB #11	CATCH BASIN	670.8	667.8
CB #12	CATCH BASIN	672.3	668.9
CB #13	CATCH BASIN	664.8	661.3
CB #14	CATCH BASIN	665.3	661.8
YD #1	YARD DRAIN	673.0	669.7
YD #2	YARD DRAIN	674.2	670.1
YD #3	YARD DRAIN	675.9	670.5
YD #4	YARD DRAIN	676.9	670.9
YD #5	YARD DRAIN	677.2	673.0
YD #6	YARD DRAIN	676.3	673.4
YD #7	YARD DRAIN	675.5	673.8
YD #8	YARD DRAIN	677.4	672.7
YD #9	YARD DRAIN	676.7	673.0
YD #10	YARD DRAIN	675.8	673.3
YD #11	YARD DRAIN	677.8	672.8
YD #12	YARD DRAIN	677.0	673.1
YD #13	YARD DRAIN	675.9	673.4
YD #14	YARD DRAIN	676.7	674.2
YD #15	YARD DRAIN	675.9	673.4
YD #16	YARD DRAIN	675.1	672.6
YD #17	YARD DRAIN	675.3	672.8
YD #18	YARD DRAIN	675.3	672.3
YD #19	YARD DRAIN	675.5	671.3
YD #20	YARD DRAIN	674.3	670.1
YD #21	YARD DRAIN	672.5	668.5
YD #22	YARD DRAIN	672.5	668.2
YD #23	YARD DRAIN	672.5	667.8
YD #24	YARD DRAIN	672.5	667.4
YD #25	YARD DRAIN	672.4	667.1
YD #26	YARD DRAIN	672.4	666.8
YD #27	YARD DRAIN	665.5	662.5

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Checked By: DLP
Project Manager: DLP

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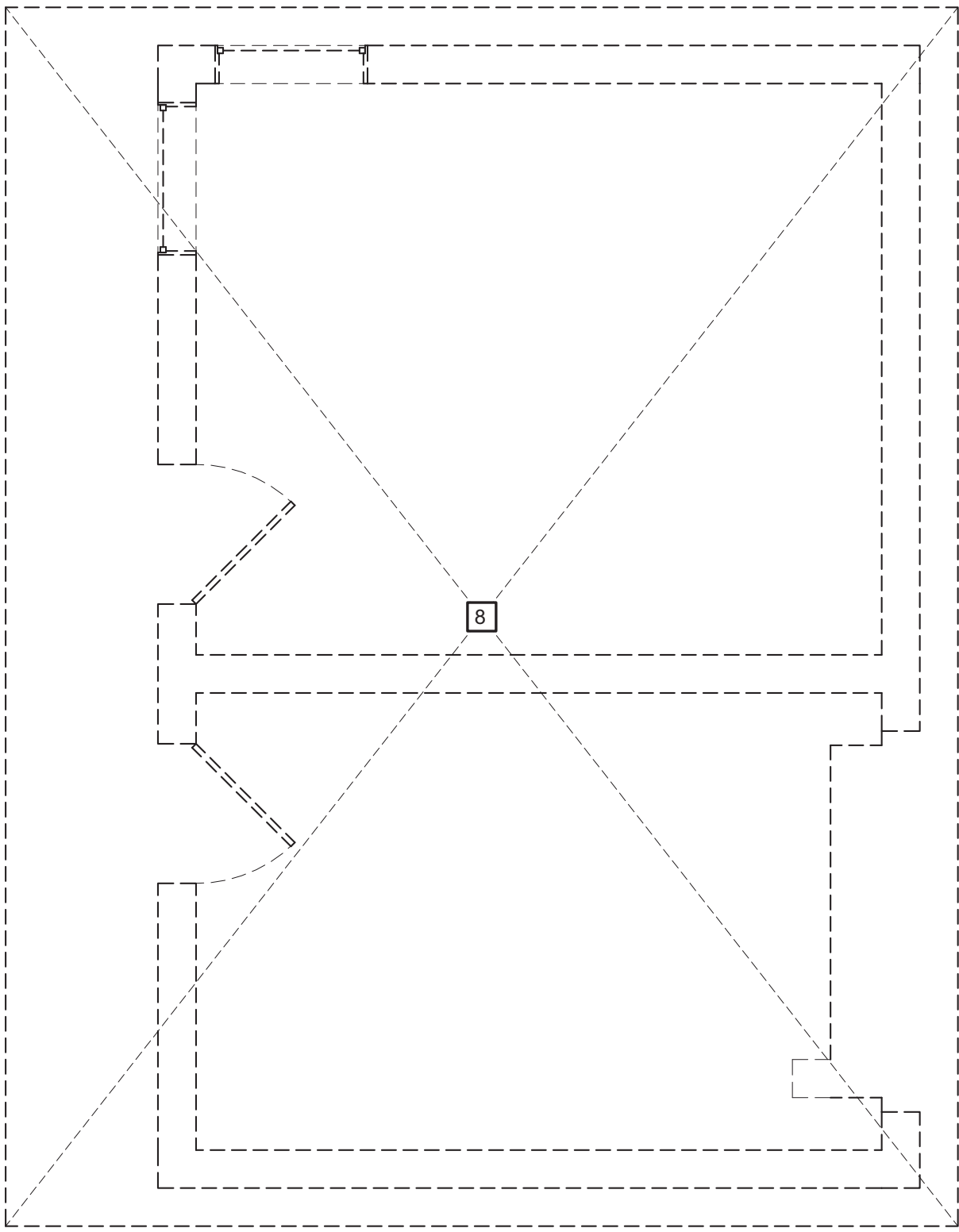
C-102
McCarthy

Grading, Drainage &
Utility Plan (South)

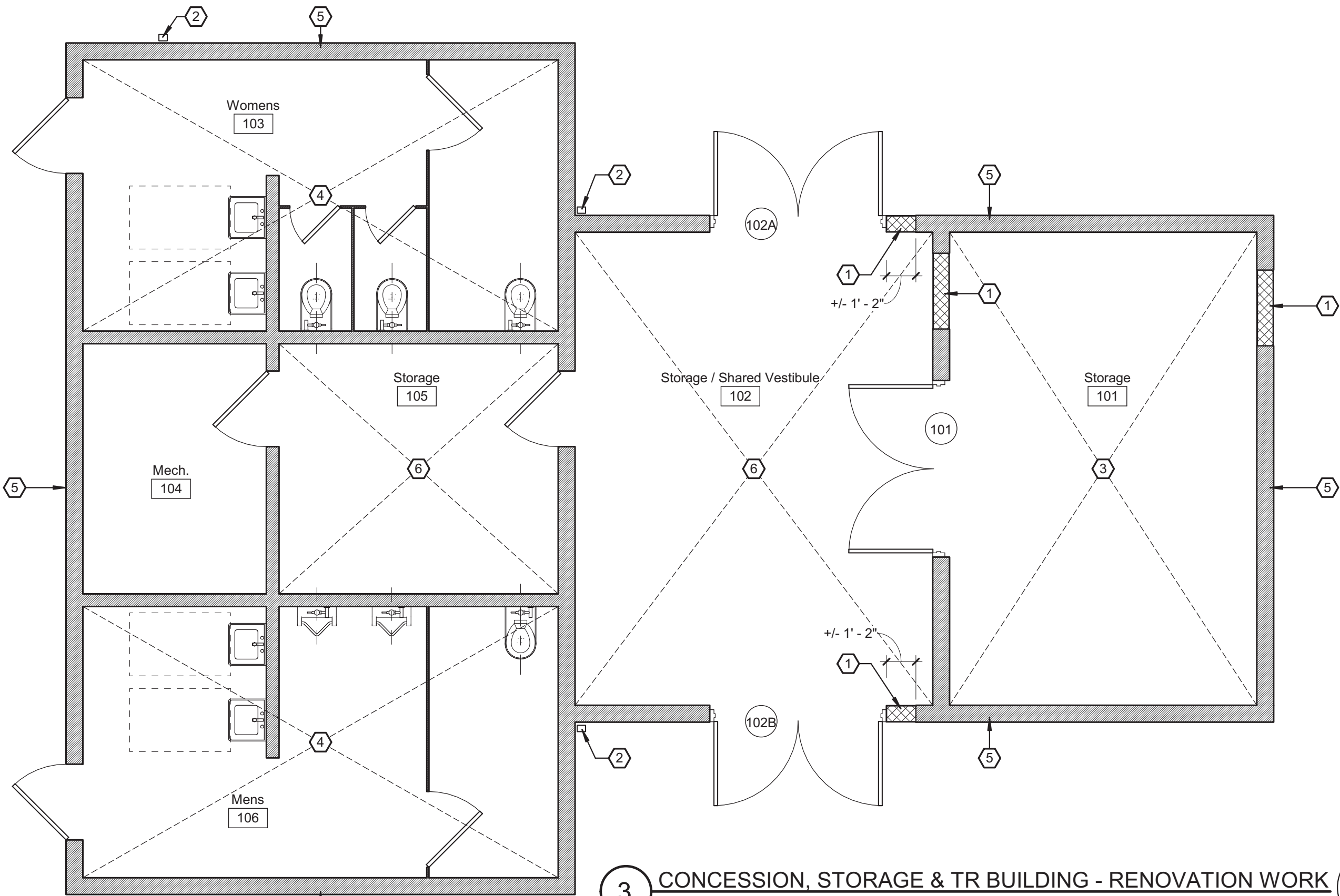
03.29.2019
Design Development Set

DOOR SCHEDULE - RENOVATION															
DOOR #	LEAFS	DOOR			DOOR			FRAME			HARDWARE	LABEL	THRESHOLD	REMARKS	DOOR #
		SIZE	SIZE	THICK	TYPE	MATERIAL	FINISH	GLASS	ELEVATION	TYPE	MATERIAL	FINISH			
FIRST FLOOR															
101	(2)	3' - 4"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	-	-	-	-	101
102A	(2)	3' - 4"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	VANDAL RESISTANT	-	ALUM	GALV. 14GA HM DOOR & GALV. 12GA HM FRAME	102A
102B	(2)	3' - 4"	7' - 0"	1 3/4"	F	HM	PT	-	-	-	VANDAL RESISTANT	-	ALUM	GALV. 14GA HM DOOR & GALV. 12GA HM FRAME	102B

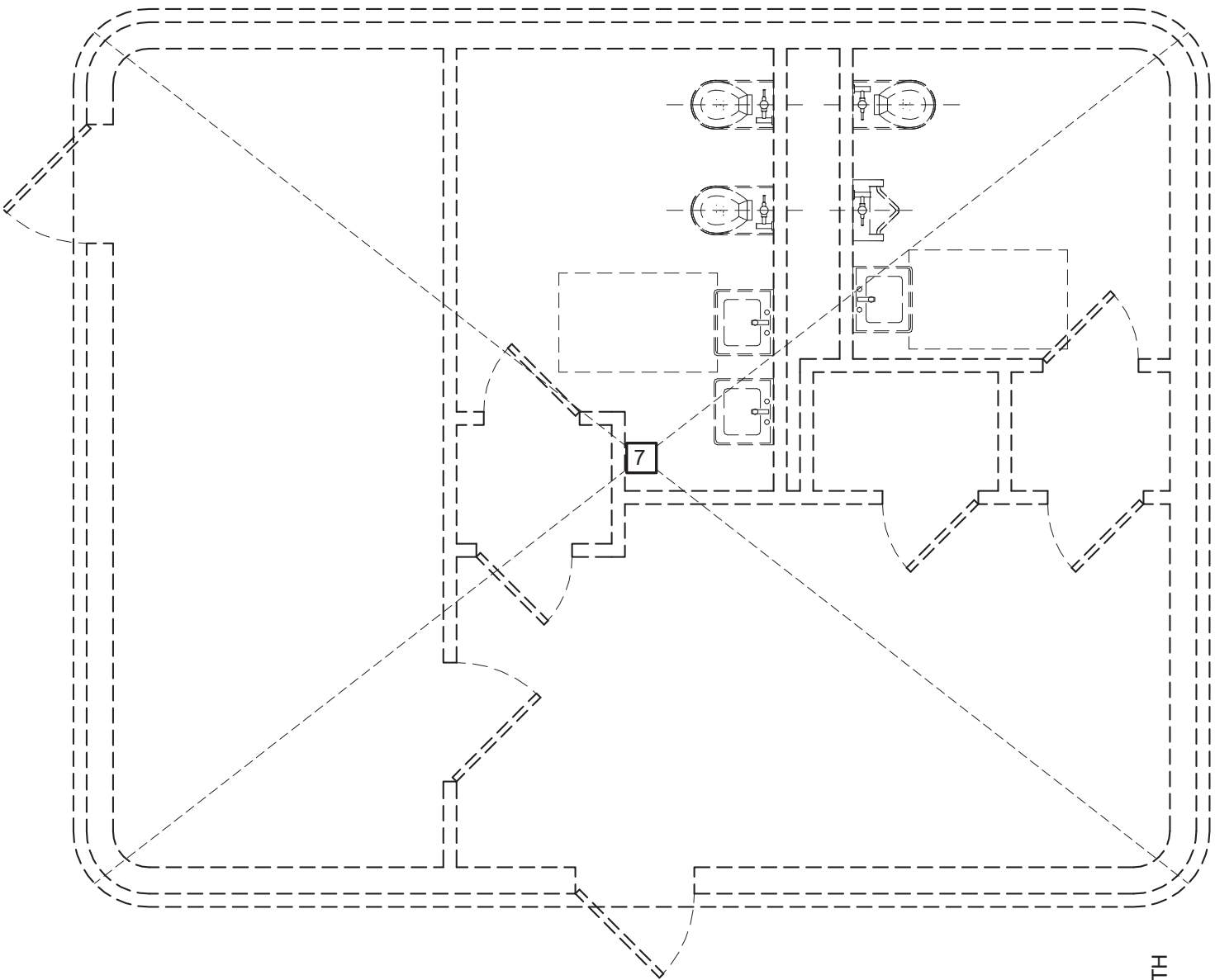
CONSTRUCTION KEYNOTES	
NO.	DESCRIPTION
1	INFILL OPENINGS IN EXISTING CMU WALL CONSTRUCTION. PATCH AND REPAIR JAMBS BY TOOTHING NEW CMU INTO THE EXISTING
2	3" X 4" DOWNSPOUT - CONNECT TO EXISTING TRANSITION AT BUILDING MOUNTED GUTTER AND PVC STORM PIPING AT BASE. COLOR SHALL MATCH EXISTING
3	PATCH & REPAIR WALL & FLOOR CONSTRUCTION CREATED BY EQUIPMENT/ UTILITY REMOVALS. PATCHING SHALL BE THE REPAIR WORK REQUIRED TO RESTORE SURFACE TO THE ORIGINAL CONDITION AND/OR MATCHING THE ADJACENT WALL OR FLOOR SURFACE
4	UPDATE ACCESSORIES, MOUNTING HEIGHTS & CONFIGURATIONS TO COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES
5	INSTALL ELASTOMERIC COATING ON WALL SURFACE (ABOVE WAINSCOT), TYP.
6	PROVIDE UPDATED FINISHES THROUGHOUT. PAINT CEILINGS, PARTITIONS (FULL HEIGHT) AND PROVIDE CONCRETE SEALER ON FLOOR (WHERE APPLICABLE)



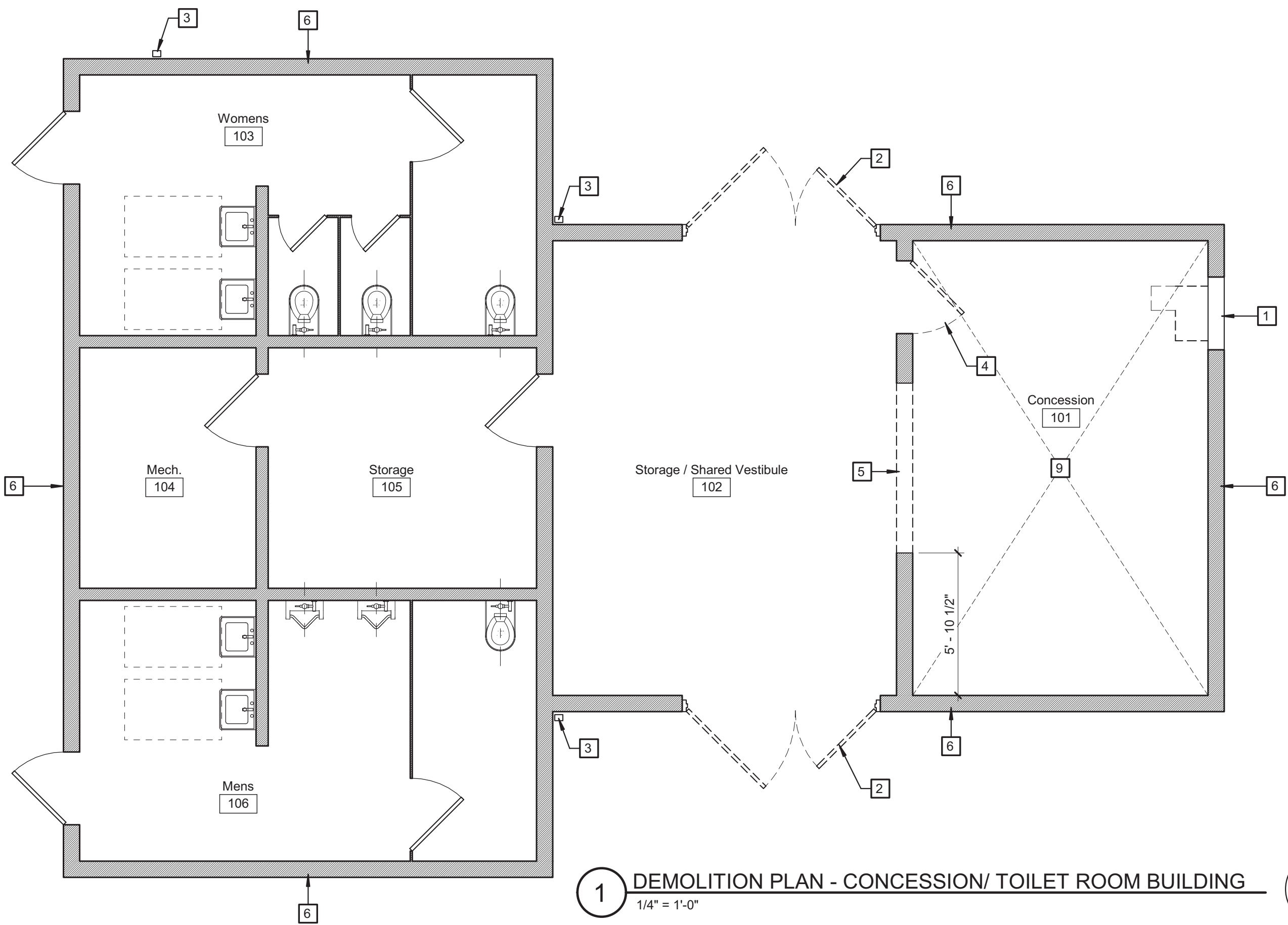
4 DEMOLITION PLAN - CONCESSION BUILDING
1/4" = 1'-0"



3 CONCESSION, STORAGE & TR BUILDING - RENOVATION WORK
1/4" = 1'-0"

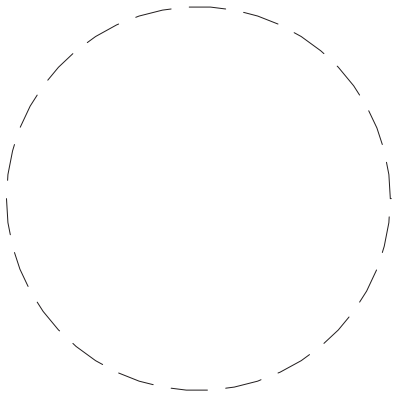


2 DEMOLITION PLAN - SHELTER BUILDING
1/4" = 1'-0"



1 DEMOLITION PLAN - CONCESSION/ TOILET ROOM BUILDING
1/4" = 1'-0"

DEMOLITION KEYNOTES	
NO.	DESCRIPTION
1	REMOVE EXTERIOR COILING COUNTERTOP DOOR, FRAME AND ASSOCIATED COMPONENTS IN ITS ENTIRETY. PREPARE OPENING FOR INDICATED INFILL
2	REMOVE EXTERIOR DOOR, FRAME AND ASSOCIATED COMPONENTS - PREPARE OPENING TO RECEIVE INDICATED INFILL AND SCHEDULED DOOR AND HARDWARE
3	REMOVE DAMAGED DOWNSPOUT AND ANCHORING ACCESSORIES IN ITS ENTIRETY
4	REMOVE INTERIOR DOOR, FRAME AND ASSOCIATED COMPONENTS IN ITS ENTIRETY - PREPARE OPENING TO RECEIVE INDICATED INFILL
5	REMOVE PORTION OF EXISTING INTERIOR BEARING WALL PARTITION TO ACCOMMODATE INSTALLATION OF SCHEDULED DOOR, FRAME & LINTEL. CONSTRUCTION CONSISTS OF CMU BEARING WALL. PROVIDE STEEL LINTEL W/ BOTTOM AT +/- 7'-2" A.F.F.
6	REMOVE INCONSISTENT FINISH FROM "SCORED" CONCRETE BLOCK - PREPARE SURFACE TO RECEIVE INDICATED FINISH
7	DEMOLISH EXISTING (1) STORY STRUCTURE INCLUDING FOUNDATIONS. CONSTRUCTION CONSISTS OF CAST IN PLACE CONCRETE BEARING WALLS, CONCRETE SLAB ON GRADE FLOOR SYSTEM AND 8" THICK CONCRETE PLANK ROOF AT +/- 8'-0" A.F.F.
8	DEMOLISH EXISTING (1) STORY STRUCTURE INCLUDING FOUNDATIONS. CONSTRUCTION CONSISTS OF 12" CMU BEARING WALLS, CONCRETE SLAB ON GRADE FLOOR SYSTEM AND 8" THICK SPANCRETE ROOF AT +/- 8'-8" A.F.F.
9	REMOVE FOOD SERVICE EQUIPMENT, ACCESSORIES & ASSOCIATED UTILITIES IN THEIR ENTIRETY. REFER TO M,E, & P SERIES DRAWINGS FOR EXTENTS OF REMOVAL



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

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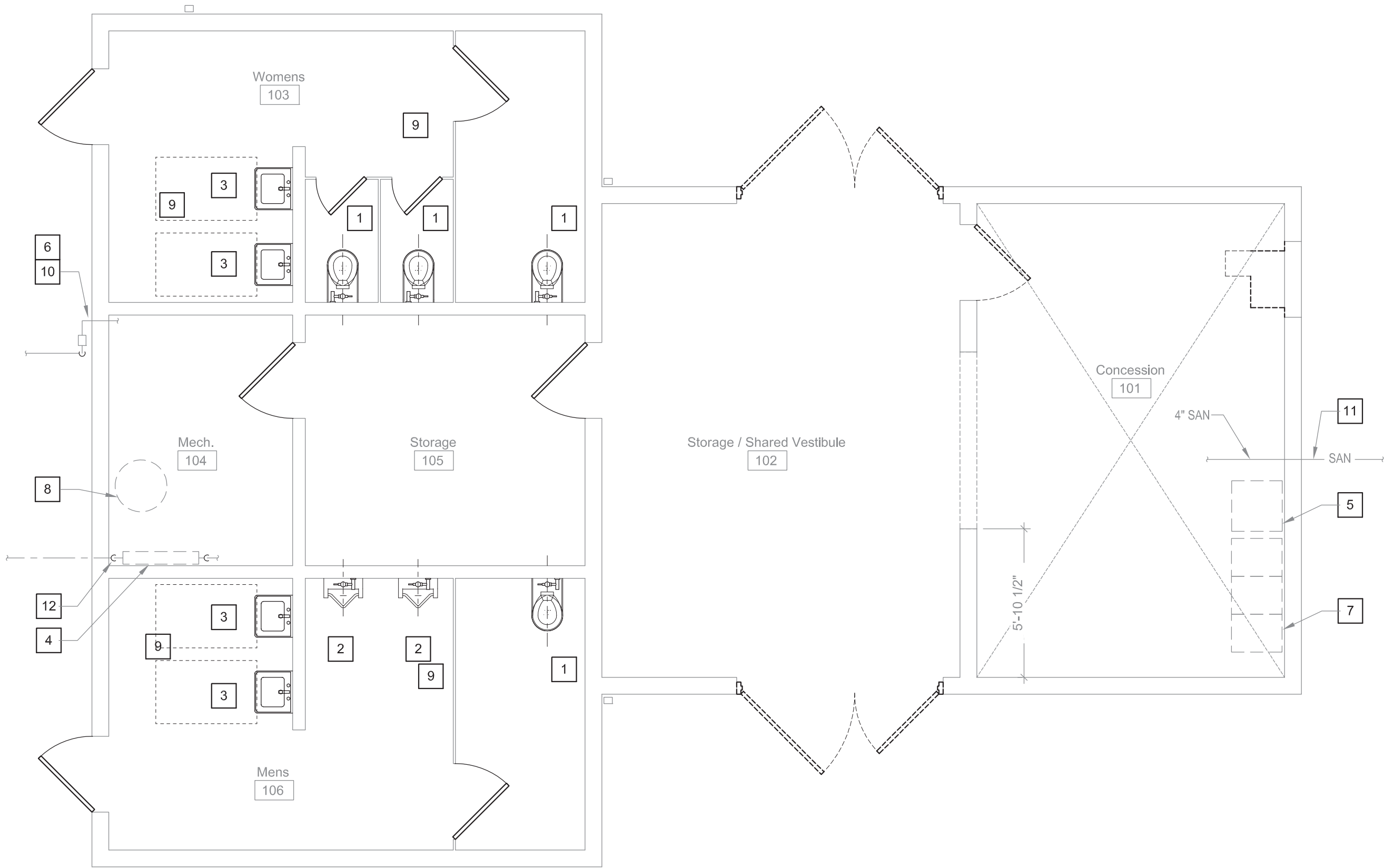
Revisions

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

A-101
McCarthy
Concession Building
Renovations

3.29.2019
Design Development Set



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



KEYED DRAWING NOTES: #

1. REMOVE WATER CLOSET, 4" SAN., 2" V. & 1" C. BRANCH PIPING BACK TO MAINS.
2. REMOVE LAVATORY, CARRIER, 1½" SAN., 1½" V. & ½" C. BRANCH PIPING BACK TO MAINS.
3. REMOVE URINAL, 2" SAN., 2" V. & ½" C. PIPING BACK TO MAINS.
4. REMOVE RPZ AND 2" PIPING BACK TO FLOOR AND CAP 2" C. ABOVE FLOOR.
5. REMOVE GREASE TRAP AND 2" SAN. PIPING TO SINK DRAIN.
6. EXISTING 2" GAS PIPING TO REMAIN.
7. EXISTING 3 BASIN STAINLESS STEEL SINK TO REMAIN. REMOVE FAUCETS AND DRAINS. DISCONNECT AND REMOVE SINK FROM WALL.
8. REMOVE WATER HEATER.
9. REMOVE FLOOR DRAIN AND TRAP.
10. GAS METER BY NATIONAL FUEL TO REMAIN.
11. EXISTING SANITARY SEWER TO REMAIN.

SERVING KITCHEN

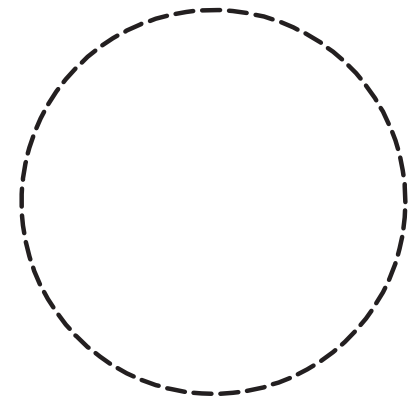
SERVING KITCHENS ARE LIMITED TO "SERVING USE" WHERE THE USERS BRING THEIR OWN FOOD, MATERIALS AND UTENSILS AND LEAVE THE SITE WITH THEIR MATERIALS. ITEMS PROVIDED IN THE BUILDING ARE LIMITED TO COUNTERS AND SINKS FOR CLEANUP TO INCLUDE A 3-BASIN SINK MINIMUM. 3-BASIN SINKS REQUIRE A GREASE INTERCEPTOR 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.

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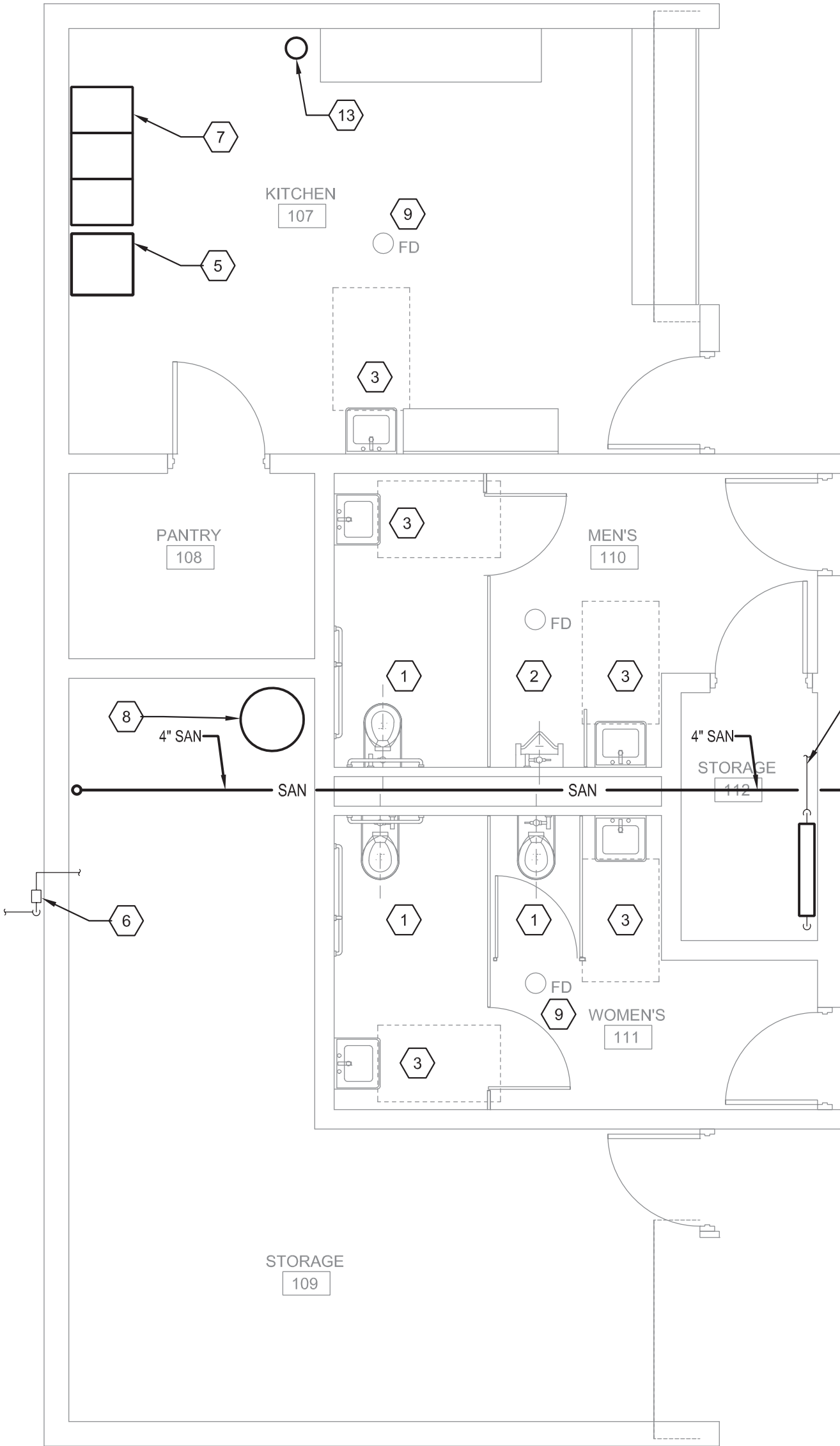
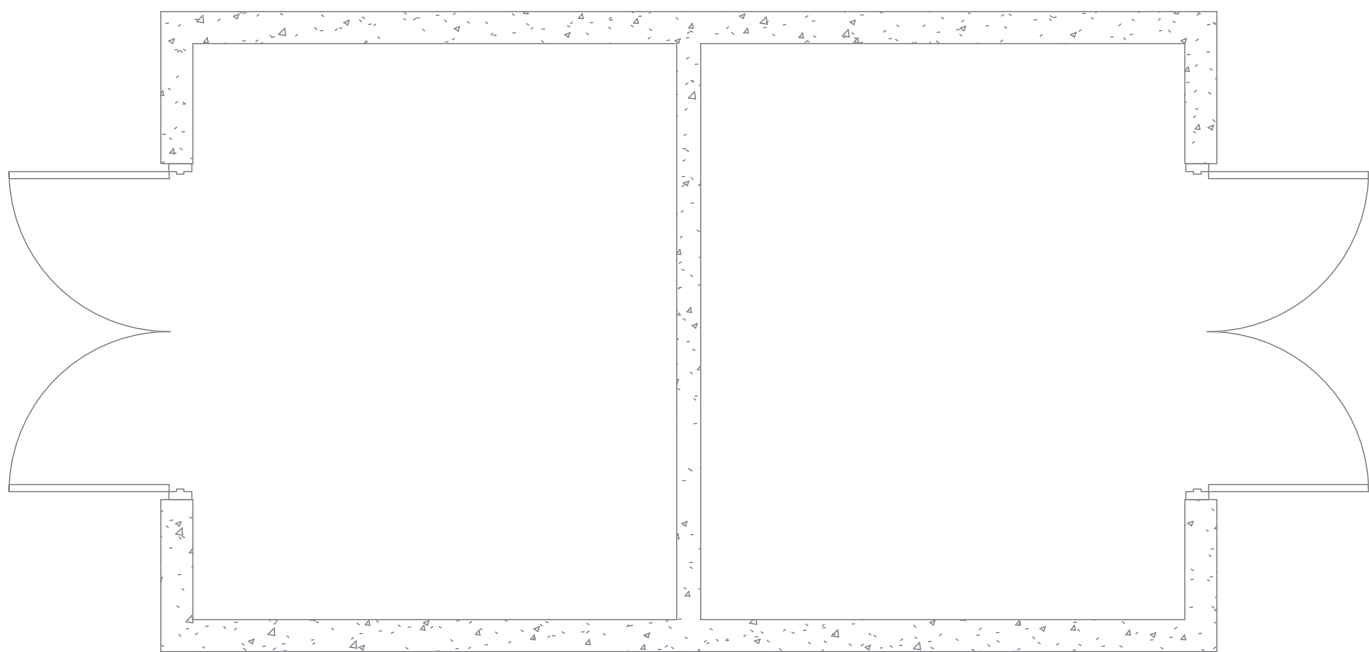
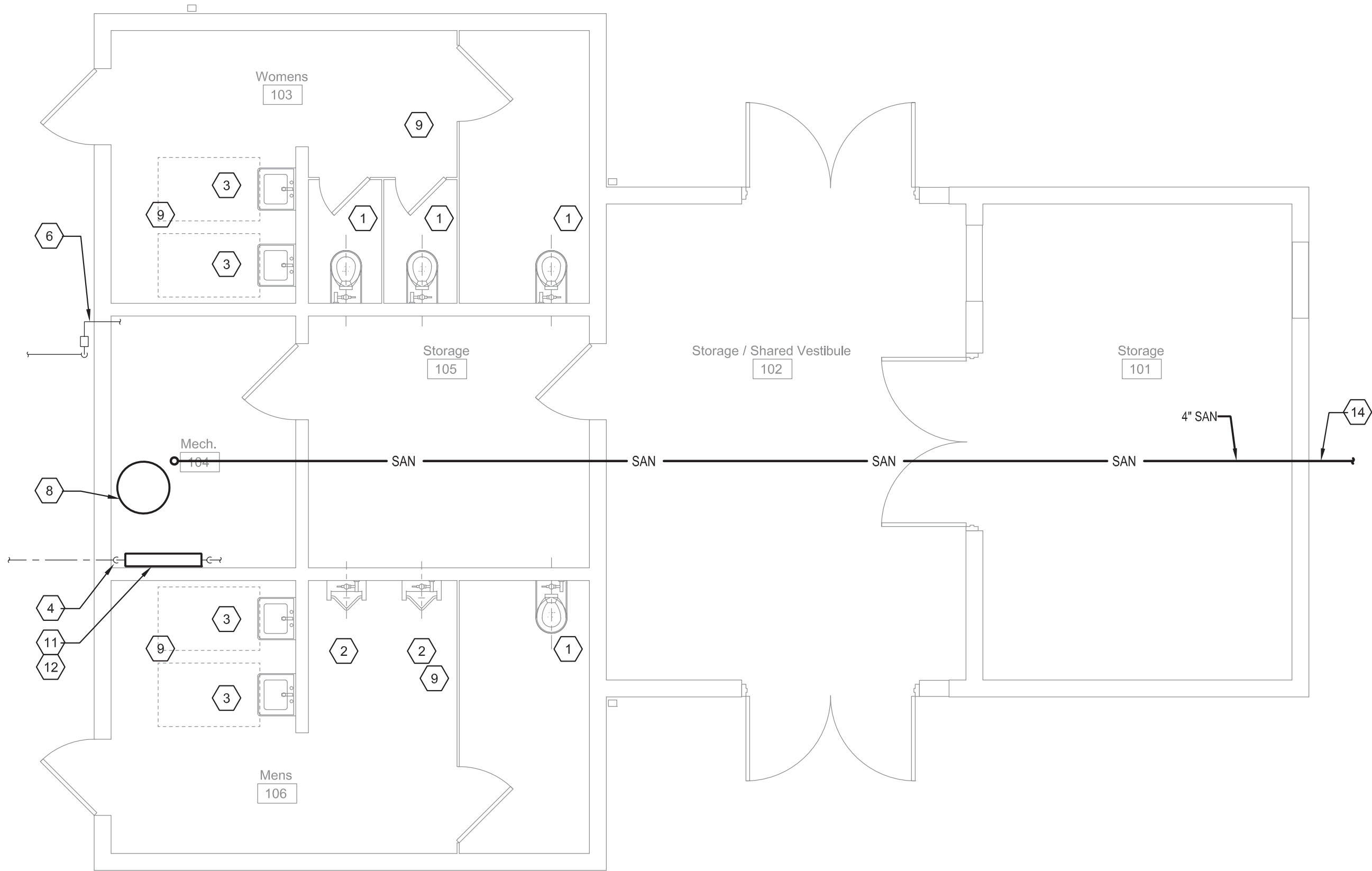
City of Buffalo Parks & Buffalo
Public School Facilities Survey
& Design Development
SWBR Project Number 18630.00

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

PD-101

McCarthy Park
PLUMBING FIRST
FLOOR PLAN -
DEMOLITION

3.29.2019
Design Development



KEYED NOTES

1. PROVIDE FLOOR MOUNTED WATER CLOSET, PROVIDE 1" C., 2" V. & 4" SAN. BRANCH PIPING.
2. PROVIDE URINAL. PROVIDE 1/2" C., 2" V. & 2" SAN. PIPING.
3. PROVIDE LAVATORY. PROVIDE 1/2" C., 1/2" H., 1/2" V. & 1/2" SAN. PIPING.
4. PROVIDE NEW SELF DRAINING 2" MUELLER OR CITY OF BUFFALO DIVISION OF WATER APPROVED EQUAL CURB STOP COCK VALVE AND 2" COPPER SPOOL PIECE. CONNECT 2" C. TO EXISTING 2" C. AT THIS POINT.
5. PROVIDE GREASE INTERCEPTOR AND FLOW CONTROL DEVICE.
6. GAS METER AND SERVICE BY NATIONAL FUEL.
7. PROVIDE 3 BASIN STAINLESS STEEL SINK AGAINST WALL.
8. PROVIDE ELECTRIC WATER HEATER.
9. 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.
10. PROVIDE 2" REDUCED PRESSURE ZONE BACKFLOW PREVENTION DEVICE.
11. PROVIDE 2" DOMESTIC WATER METER WITH INTEGRAL STRAINER IN COMPLIANCE WITH BUFFALO DIVISION OF WATER REQUIREMENTS.
12. PROVIDE PEDESTAL EMERGENCY EYEWASH WITH 1/2" C. AND 1/2" H. TO MIXING VALVE AND 1/2" SAN. REFER TO 12/P1-3
13. 4" SANITARY SEWER.

BUILDINGS TO BE RENOVATED

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 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.

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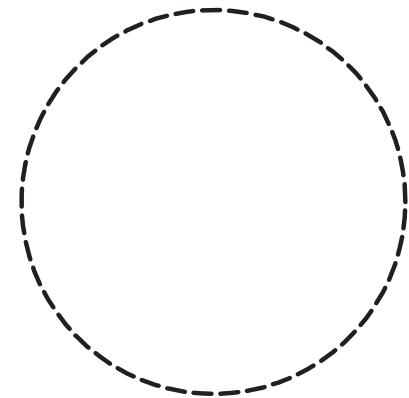
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PLUMBING FIRST
FLOOR PLAN

3.29.2019
Design Development

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

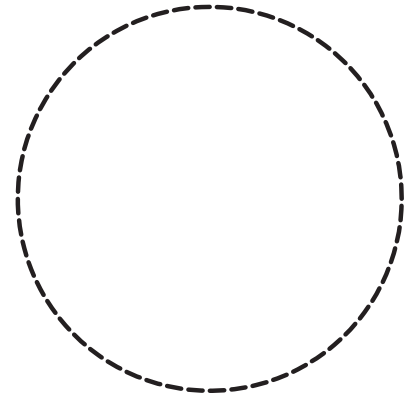
	CONNECT NEW TO EXISTING
	TERMINATION POINT OF DEMOLITION
	SECTION: TOP CHARACTER INDICATES SECTION NUMBER, BOTTOM CHARACTER INDICATES DRAWING ON WHICH SECTION APPEARS
	KEYED NOTE
	DEMOLITION KEYED NOTE
	REVISION KEYED NOTE

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

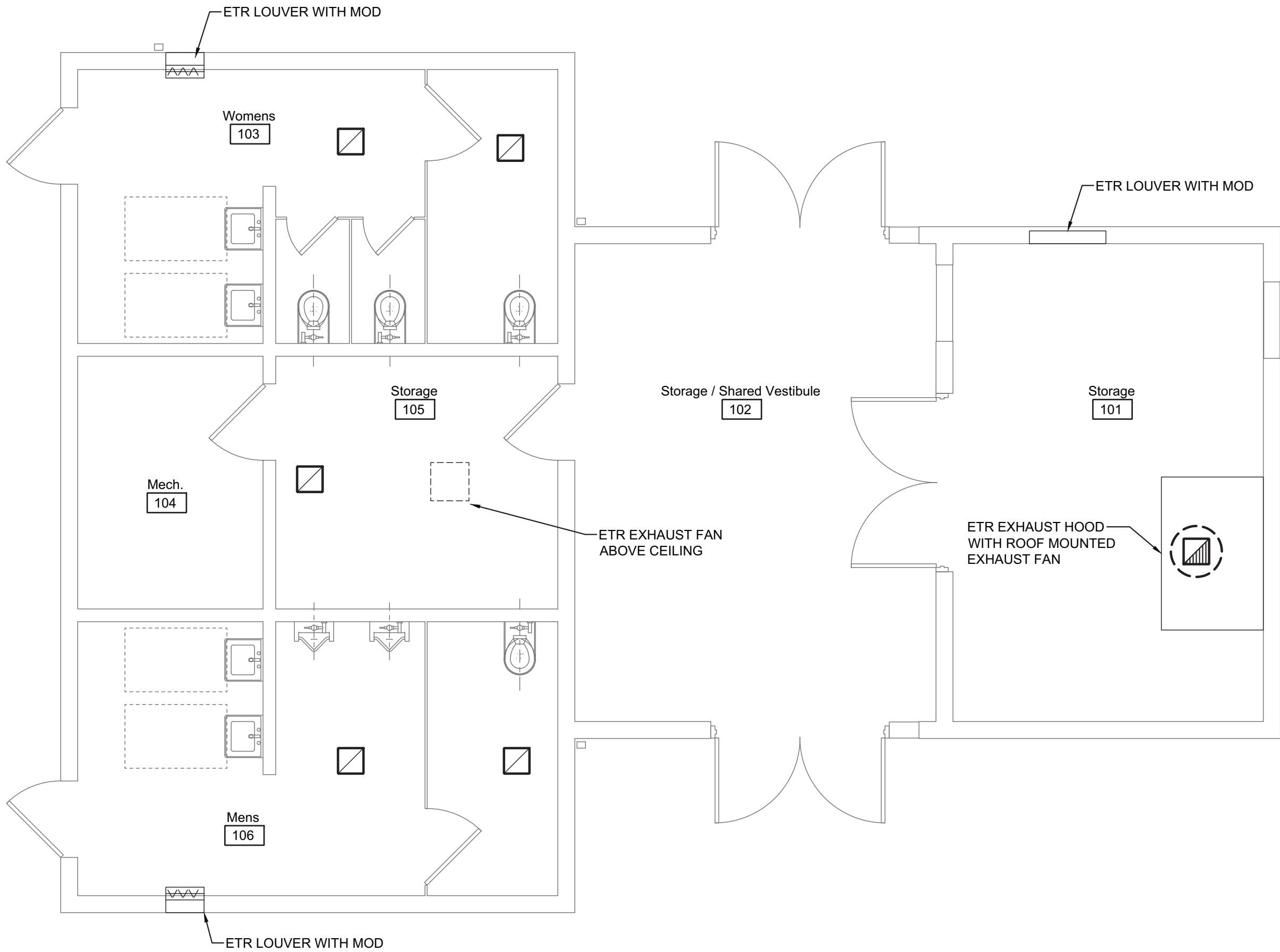
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Revisions

COVER DRAWING
SWBR Project Number 18630.00
City of Buffalo Parks & Buffalo Public School Facilities Survey & Design Development
Client Address

M-001
COVER SHEET

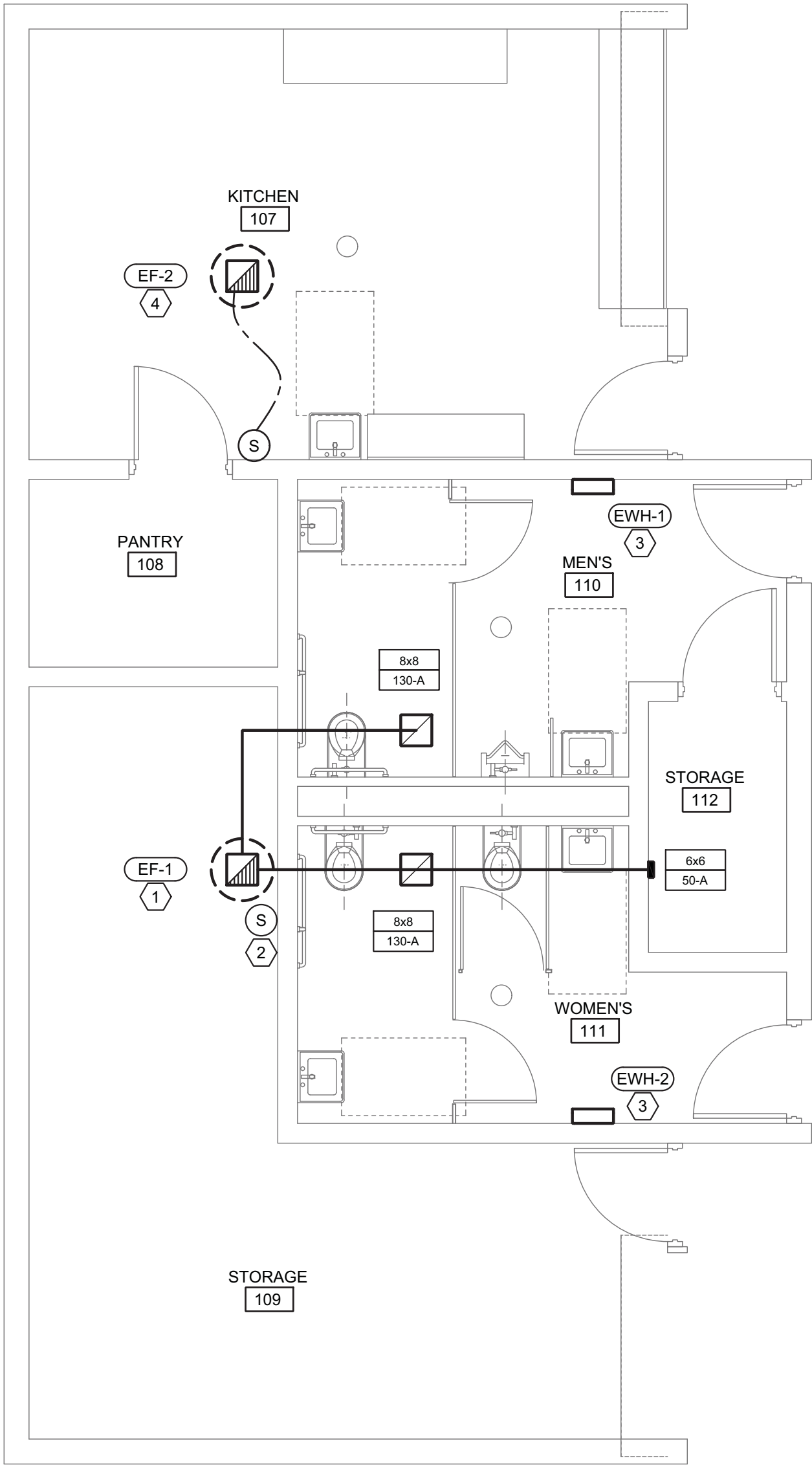
4.1.2019
Design Development



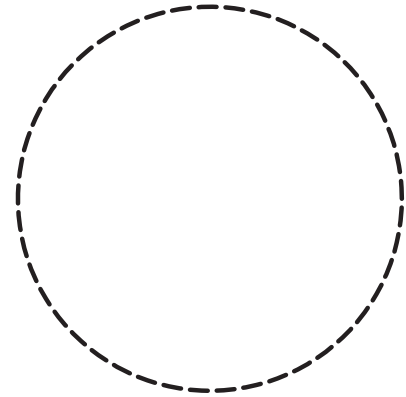
1 FIRST FLOOR MECHANICAL PLAN
1/4" = 1'-0"

KEYED NOTES #

1. PROVIDE ROOF MOUNTED EXHAUST FAN. 310 CFM @ 0.25" WC E.S.P., PITCHED ROOF CURB, 120V LOW LEAKAGE DAMPER, DIRECT DRIVE EC MOTOR WITH REMOTE POTENTIOMETER FOR BALANCING. FAN SHALL OPERATE WHEN OCCUPANCY SENSOR IN EITHER BATHROOM SIGNALS.
2. REMOTE POTENTIOMETER FOR FAN BALANCING. PROVIDE LOCKING COVER.
3. PROVIDE 1.5KW ELECTRIC WALL HEATER. SURFACE MOUNTED, HEAVY GAUGE ENCLOSURE, TAMPERPROOF THERMOSTAT WITH POSITIVE OFF.
4. PROVIDE ROOF MOUNTED EXHAUST FAN. 200 CFM @ 0.1" WC E.S.P., PITCHED ROOF CURB, 120V LOW LEAKAGE DAMPER, DIRECT DRIVE EC MOTOR WITH REMOTE POTENTIOMETER FOR BALANCING. FAN SHALL OPERATE VIA LOCAL SWITCH



2 PROTOTYPE BUILDING MECHANICAL PLAN
1/4" = 1'-0"



Drawn By: BMW
Checked By: JEM
Project Manager: RCP

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Revisions

McCarthy Park
SWBR Project Number 18630.00

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

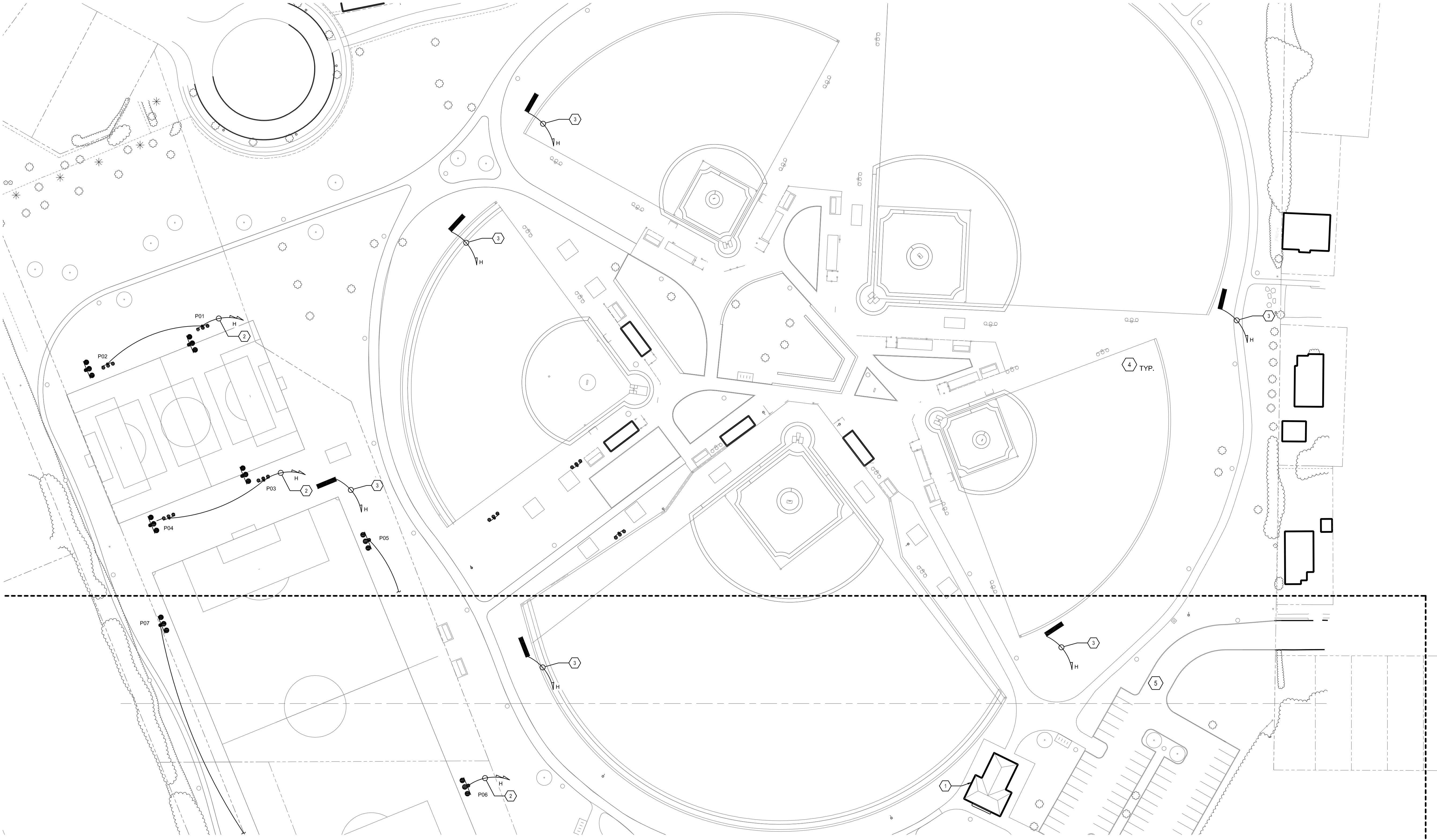
POLE SUMMARY			
POLES	TOTAL WATTS	# LUMS	MH
P01	3076	4	60
P02	3076	4	60
P03	3076	4	60
P04	3076	4	60
P05	6132	8	70
P06	6132	8	70
P07	6132	8	70
P08	6132	8	70
P09	5371	7	70
P10	5371	7	70
P11	5371	7	70
P12	5371	7	70
TOTAL	58316		

KEYED DRAWING NOTES: #

1. PROVIDE 208V, 3 PHASE, 200 AMP PANEL 'H' TO BE USED FOR NEW FIELD LIGHTING.
2. PROVIDE 208V, 3 PHASE, 40 AMP CIRCUIT CONSISTING OF (3)#6 AWG CONDUCTORS WITH (1) #10 EQUIPMENT GROUNDING CONDUCTOR IN 1" CONDUIT. EACH LAMP POLE SHALL BE PROVIDED (1) CIRCUIT.
3. 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'.
4. RETROFIT EXISTING SPORTS LIGHTING WITH NEW LED LIGHT FIXTURES PER TABLE SHOWN. RE-USE EXISTING POLES AND FIXTURE SUPPORT STRUTS.
5. PROVIDE (2) #6 AWG CONDUCTORS & (1) #12 EGC IN 3/4" CONDUIT LOOPED TO EACH PATHWAY LIGHTING FIXTURE. PROVIDE GROUNDED HANDHOLE EVERY 350 FEET TO SUIT FIELD CONDITIONS.

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.



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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

E-101
McCarthy
ELECTRICAL SITE
PLAN

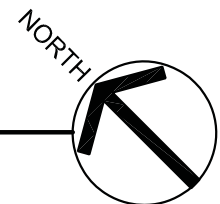
3.29.2019
Design Development Set

1 McCarthy SITE ELECTRICAL PLAN
1" = 50'-0"

4/4/2019 3:29:23 PM

FILE PATH:

1 MCCARTHY SITE ELECTRICAL PLAN
1" = 50'-0"



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: #

- PROVIDE 208V, 3 PHASE, 200 AMP PANEL 'H' TO BE USED FOR NEW FIELD LIGHTING.
- PROVIDE 208V, 3 PHASE, 40 AMP CIRCUIT CONSISTING OF (3)#6 AWG CONDUCTORS WITH (1) #10 EQUIPMENT GROUNDING CONDUCTOR IN 1" CONDUIT. EACH LAMP POLE SHALL BE PROVIDED (1) CIRCUIT.
- PROVIDE (2) #6 AWG CONDUCTORS & (1) #12 EGC IN 3/4" CONDUIT LOOPED TO EACH PATHWAY LIGHTING FIXTURE. PROVIDE GROUNDED HANDHOLE EVERY 350 FEET TO SUIT FIELD CONDITIONS.
- PARKING LOT LIGHT SHALL HAVE 2 FIXTURES PER EACH 25 FOOT POLE. PROVIDE (2) #6 & (1) #12 EGC IN 3/4" CONDUIT.

SWBR

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WATTS
ARCHITECTURE & ENGINEERING

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

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Revisions

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

Community Foundation for
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726 Exchange Street, Suite 525
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E-102
McCarthy
ELECTRICAL SITE
PLAN

3.29.2019
Design Development Set