

Krebs Park, Phase 2

for

City of Hinesville

Liberty County, Georgia

October 15, 2021

Revised December 16, 2022

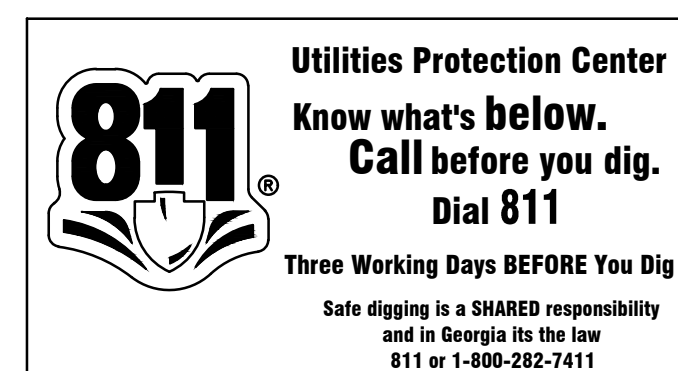
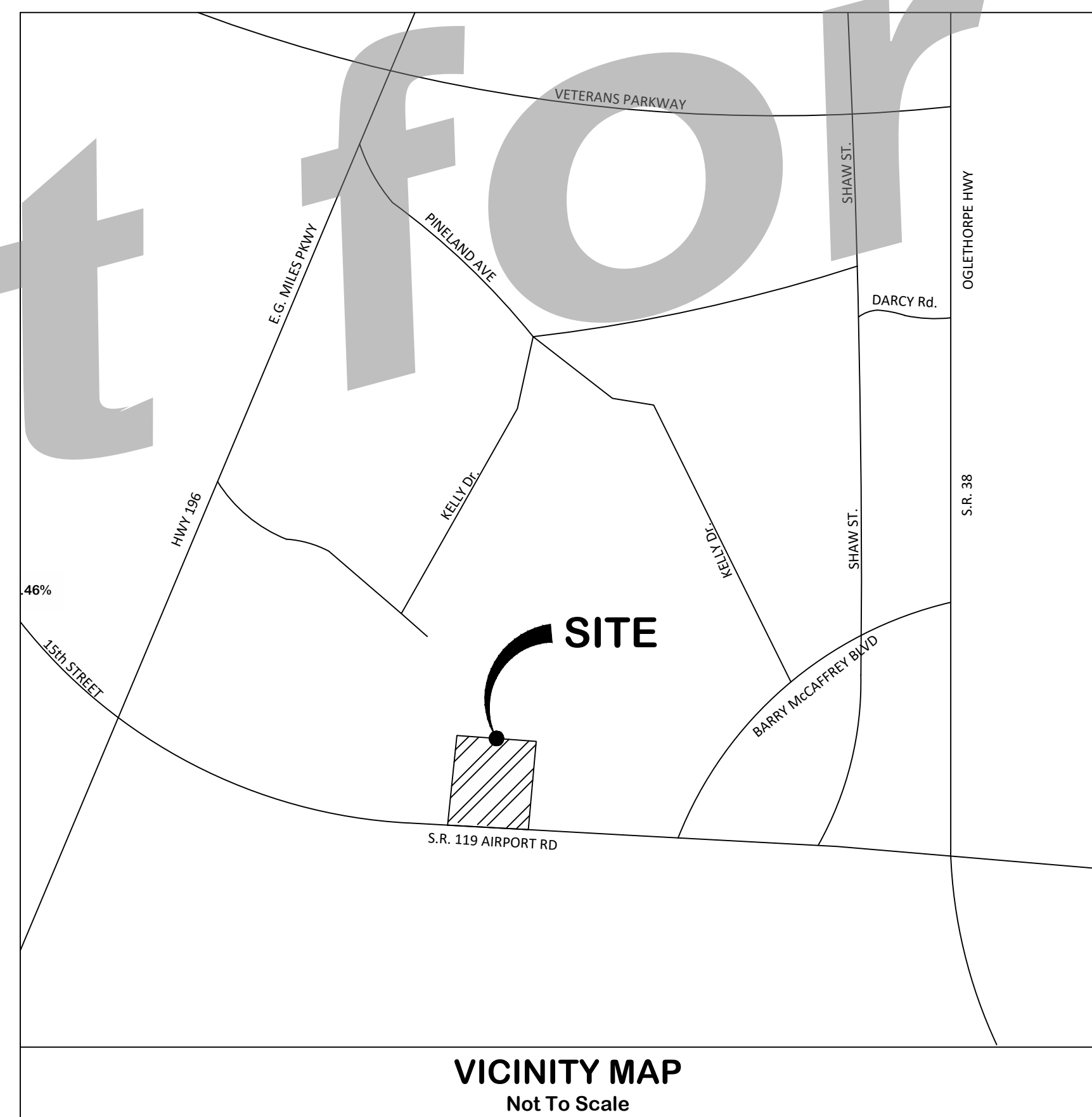
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GENERAL NOTES

1. ALL EXISTING UTILITIES SHOWN ARE LOCATED FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING UTILITIES. OVERHEAD LINES ARE NOT SHOWN FOR CLARITY.
2. ALL DISTURBED AREAS TO BE RE-VEGETATED IMMEDIATELY AFTER CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
3. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY CORNERS, RIGHT OF WAY MONUMENTS, SIGNS OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
5. ALL TRAFFIC AND SIGNAGE CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL GUCC, CURRENT EDITION.
6. ALL STREET AND INFRASTRUCTURE INSTALLATION TO BE IN ACCORDANCE WITH LIBERTY COUNTY DEVELOPMENT STANDARDS.

DRAWING LEGEND		
DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER	— SS —	— SS —
UNDERGROUND WATER LINE	— W —	— W —
FORCE MAIN	— FM —	— FM —
STORM DRAINAGE PIPE	— SD —	— SD —
UNDERGROUND TELEPHONE LINE	— T —	— T —
UNDERGROUND TELEPHONE CONDUIT	— TC —	— TC —
UNDERGROUND GAS LINE	— 12" G —	— 12" G —
DITCH CENTERLINE	— D —	— D —
TOP OF CURB & GUTTER ELEVATIONS	T=90.00 G=89.50	EX T=90.00 EX G=89.50
SPOT ELEVATION	X=90.00	X=90.00
FIRE HYDRANT		
SEWER MANHOLE		
WATER VALVE		
TELEPHONE MANHOLE		
LIGHT POLE		
SIGN		
WATER METER		
BENCHMARK		
CONCRETE MONUMENT FOUND		
GUY POLE		
IRON PIN FOUND		
IRON PIN SET		
TELEPHONE PEDESTAL		
POWER POLE		
HANDICAP SPACE		
SEDIMENT BASIN MARKER WINOTCH		



OWNER/AGENT:
CITY OF HINESVILLE
CONTACT: KENNETH HOWARD
(CITY MANAGER)
115 EAST M.L. KING, JR. DRIVE
HINESVILLE, GA 31313
TEL: (912) 876-3564
khoward@cityofhinesville.org



JOB NO. 2020-97PRJ

REVISION NO.	DATE	DESCRIPTION
#1		

GENERAL NOTES

1. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR PREEXISTING CONDITION.
2. CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED MATERIAL AS SOON AS IT IS EXCAVATED. NO EXCAVATED DEMOLITION DEBRIS OR MATERIAL SHALL REMAIN ON SITE OVERNIGHT.
3. CONTRACTOR SHALL PROTECT FROM SEDIMENT LEAVING THE SITE.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF HINESVILLE STANDARDS & SPECIFICATIONS.
5. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE "EROSION AND SEDIMENT CONTROL MANUAL OF GEORGIA."
6. SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS DIRECTED BY THE ENGINEER.

NOTES:

1. ZONING = C-2
2. TOTAL ACRES = 4.29
3. TOTAL DISTURBED ACRES = 0.4
4. EROSION AND SEDIMENT CONTROL TO BE IN ACCORDANCE WITH THE PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA."
5. RIPRAP WILL BE USED TO STABILIZE DITCH BANKS IN AREAS WHERE STORM WATER FLOW CHANGES DIRECTION.
6. ALL UTILITY AND STREET INSTALLATION TO BE IN ACCORDANCE WITH CITY/COUNTY STANDARD SPECIFICATIONS.
7. AFTER CONSTRUCTION, ALL DISTURBED AREAS TO BE REVEGETATED IMMEDIATELY IN ACCORDANCE WITH PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA."
8. ALL IMPROVEMENTS TO CONFORM WITH CITY/COUNTY STANDARDS.
9. NO STRUCTURES, FENCES, OR OTHER OBSTRUCTIONS MAY BE LOCATED WITHIN A DRAINAGE OR ACCESS EASEMENT WITHOUT PRIOR APPROVAL OF CITY/COUNTY.
10. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY/COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.
11. APPROVAL OF THESE PLANS BY CITY/COUNTY IS SUBJECT TO, AND CONTINGENT UPON, THE APPLICANT OBTAINING ANY AND ALL NECESSARY APPROVALS FROM ANY AND ALL APPLICABLE AGENCIES, INCLUDING BUT NOT LIMITED TO: THE UNITED STATES ARMY CORPS OF ENGINEERS, THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, THE USDA-NRCS, GEORGIA DEPARTMENT OF NATURAL RESOURCES, GEORGIA ENVIRONMENTAL PROTECTION DIVISION, AND THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION.
12. MAXIMUM CUT SLOPES SHALL BE 2 HORIZONTAL TO 1 VERTICAL. CONTINUOUS FILL SLOPES TEN (10) FEET IN HEIGHT OR LESS MAY BE 2 HORIZONTAL TO 1 VERTICAL. ALL CONTINUOUS FILL SLOPES THAT EXCEED TEN (10) FEET IN HEIGHT MUST BE 3 HORIZONTAL TO 1 VERTICAL UNLESS: (A) A MECHANICALLY ENGINEERED STABILIZED SLOPE IS APPROVED BY CITY/COUNTY; OR (B) THE DESIGNED AND CONSTRUCTED SLOPES ARE CERTIFIED BY A REGISTERED ENGINEER EXPERIENCED IN GEOTECHNICAL ENGINEERING AND LICENSED IN THE STATE OF GEORGIA.
13. THIS SITE LIES IN A ZONE "X" ACCORDING TO FEMA FIRM PANEL 13179C0225E, DATED 5-5-2014.
14. BOUNDARY SURVEY PROVIDED BY T.R. LONG ENGINEERING, LLC TOPOGRAPHIC SURVEY COMPLETED BY SIMONTON ENGINEERING, LLC.
15. ELECTRICAL INSTALLATION FOR POWER CONDUIT, LIGHTING AND IRRIGATION SYSTEM CURRENTLY BEING INSTALLED. CONTRACTOR WILL BE RESPONSIBLE FOR ELECTRICAL FORM THE PANELS INSTALLED TO COMPLETE BUILDING POWER.

REVISIONS TO GRADING, DRAINAGE PLUS EROSION AND SEDIMENT CONTROL
 12-16-21

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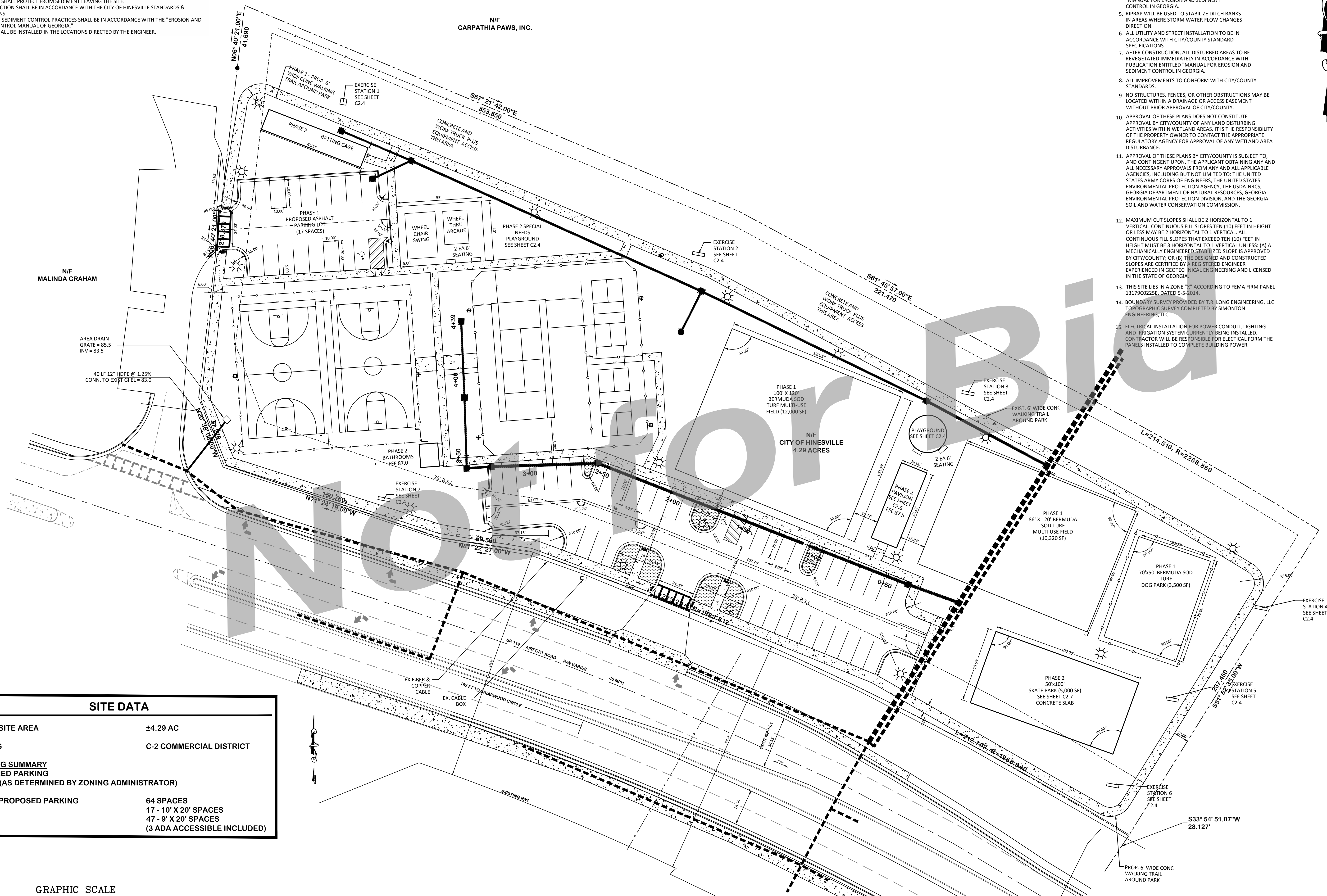
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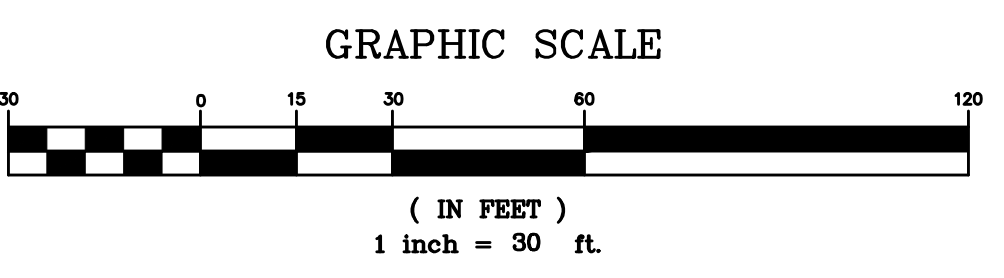


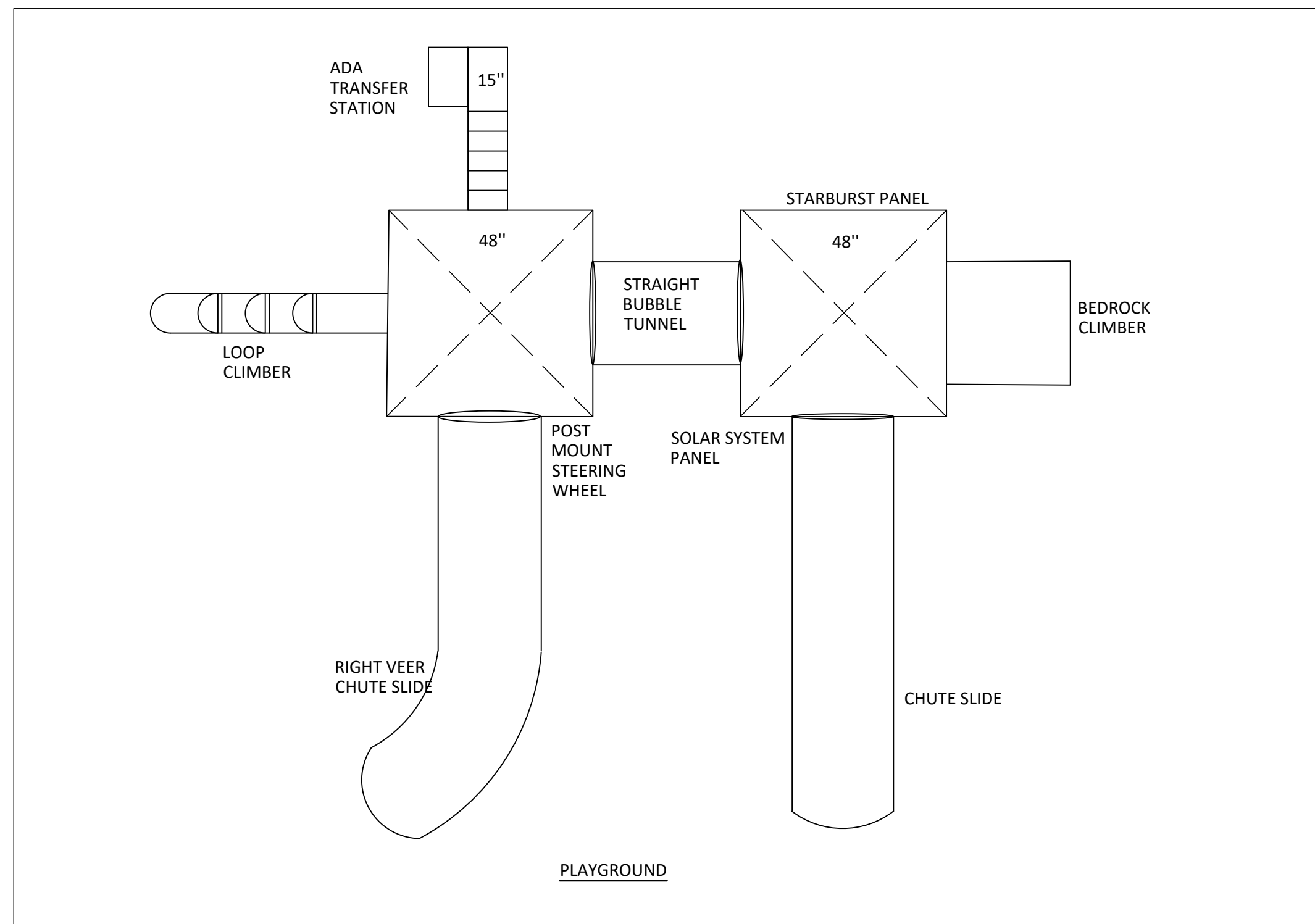
Krebs Park Ph 2
 for
 The City of Hinesville
 Liberty County, Georgia

Site Plan
 DATE: January 5, 2023
 FILE NO: 2020-99PU
 SHEET: C 2.0



SITE DATA	
TOTAL SITE AREA	±4.29 AC
ZONING	C-2 COMMERCIAL DISTRICT
PARKING SUMMARY	
REQUIRED PARKING PARKS (AS DETERMINED BY ZONING ADMINISTRATOR)	
TOTAL PROPOSED PARKING	64 SPACES
	17 - 10' X 20' SPACES
	47 - 9' X 20' SPACES
	(3 ADA ACCESSIBLE INCLUDED)



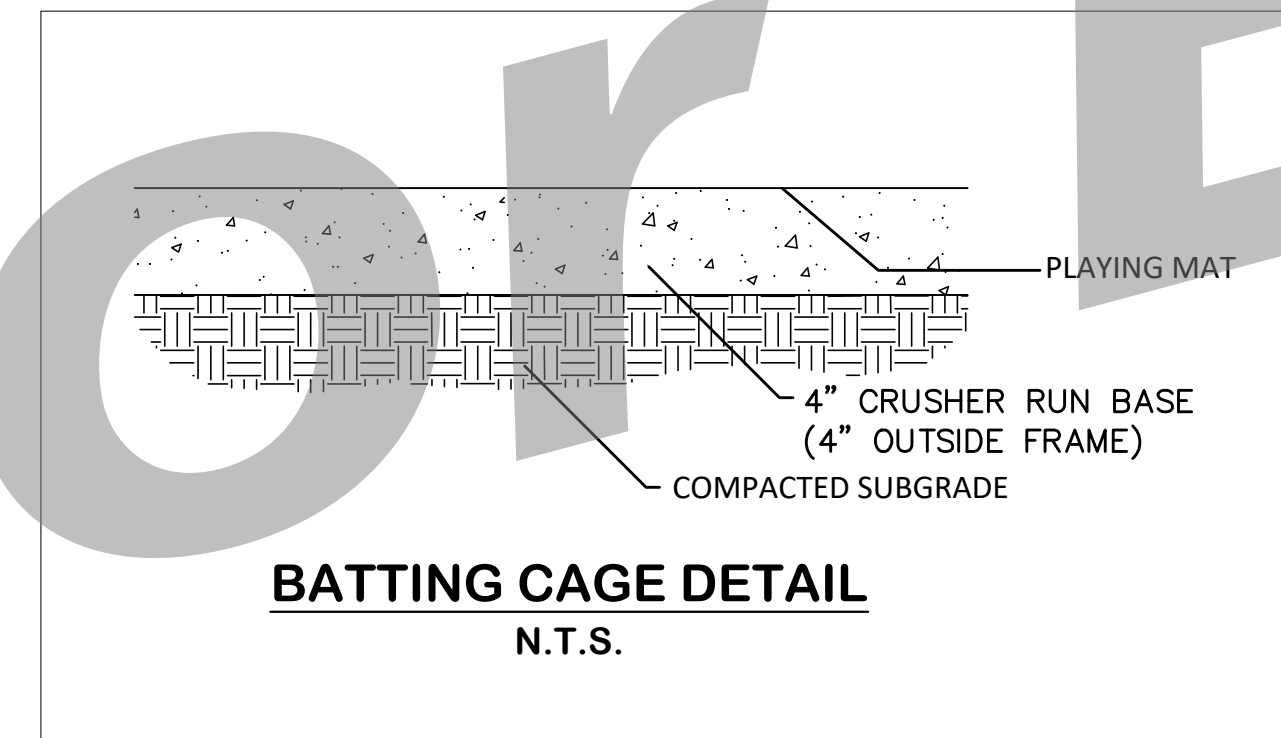
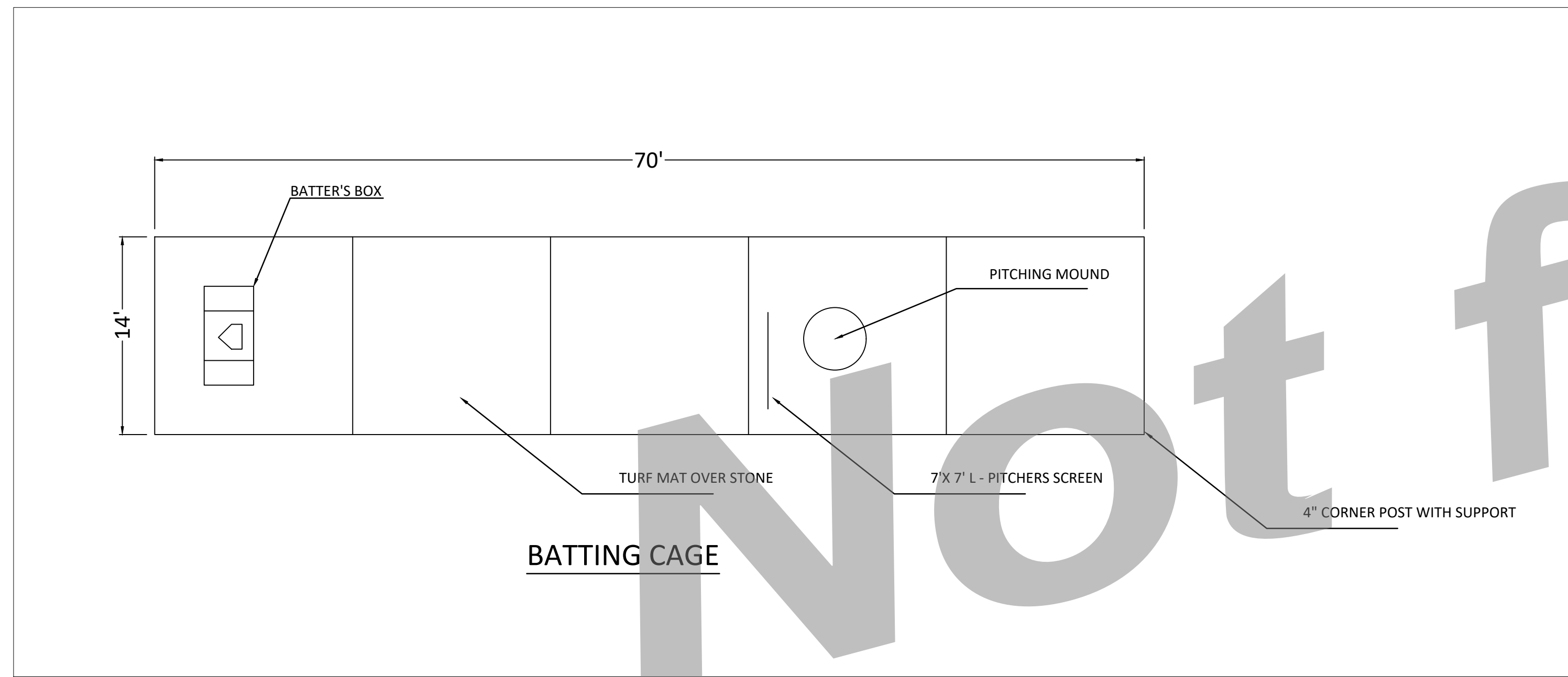
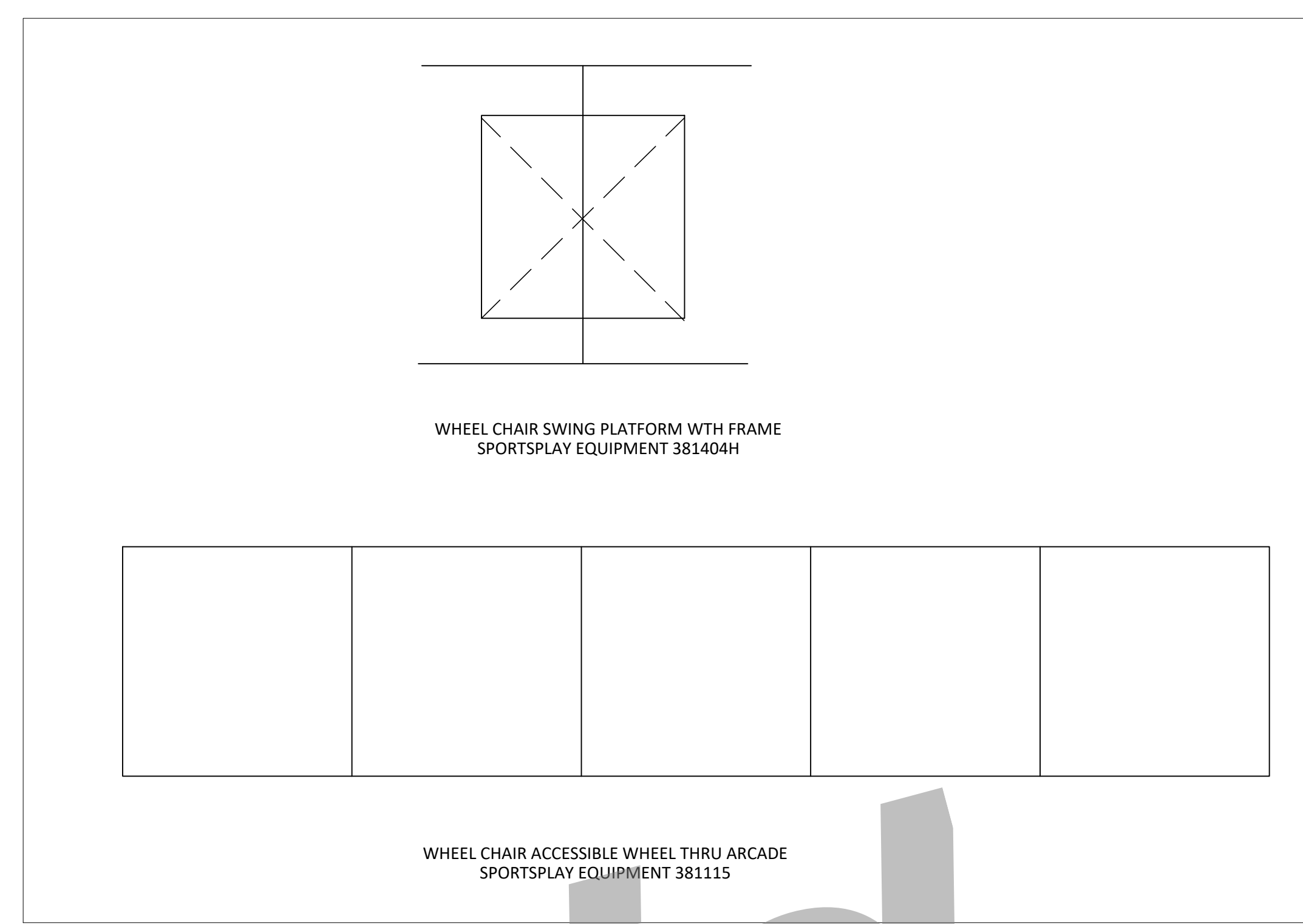


Superior Playgrounds - Playground

Model #	PS3-31395
Dimensions	24'x20'
Fall Height	4'-0"
Ground Material	Rubber Mulch
Capacity	25 Children
Sportsplay Seating Model #6016771	

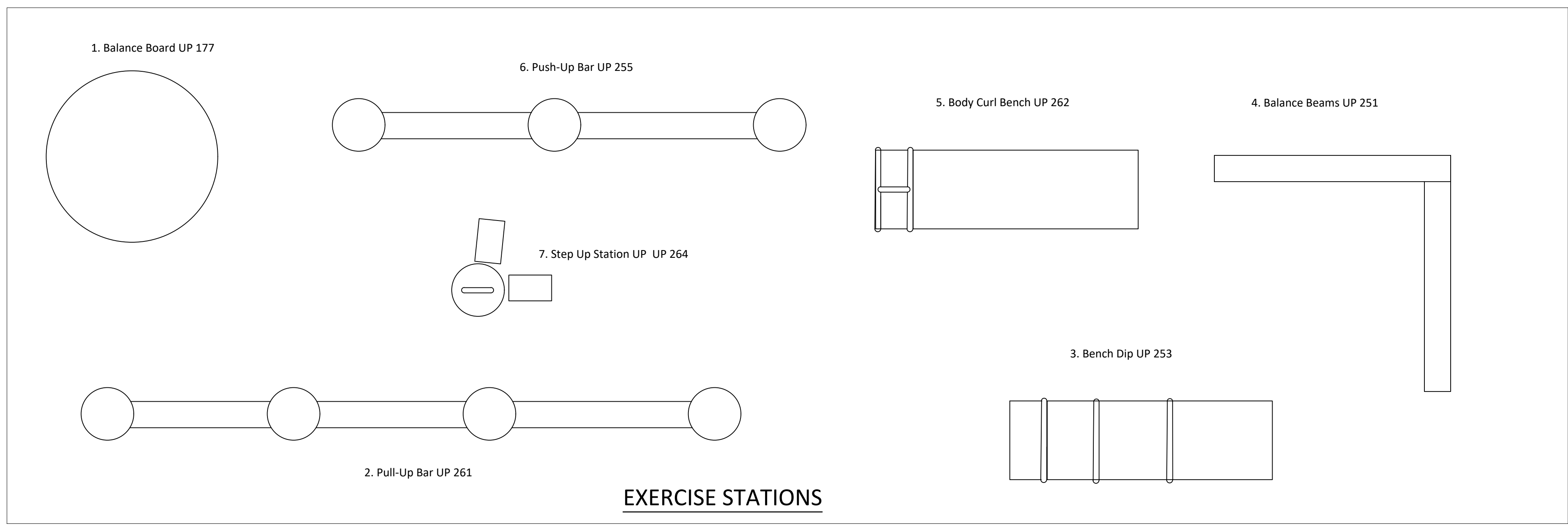
Sportsplay Equipmnet - Playground

Model #	see plan
Mounting	SS Anchor to conc.
Ground Material	4" concrete
Seating	Model #6016771



Batting Cages Inc. - 12x14x70

Description	Model #
Net Package	KVX200
Batter's Box	SKU ALETA BASEBALL MAT-HP-RG-6X12
Pitching Mound	POTOLITE 6" GAME MOUND (full Length)
Turf	SKU ALETA BASEBALL MATCU
Cage Frame	IRON HORSE BATTING CAGE SYSTEM



Action Fit - Exercise Stations

Product	Model #

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Krebs Park Ph 2
 for
 The City of Hinesville
 Liberty County, Georgia

Playground,
 Exercise Station,
 Batting Cage

DATE: January 5, 2023
 FILE NO: 2020-97PJ
 SHEET: C 2.1

EXCAVATION AND EARTHWORK

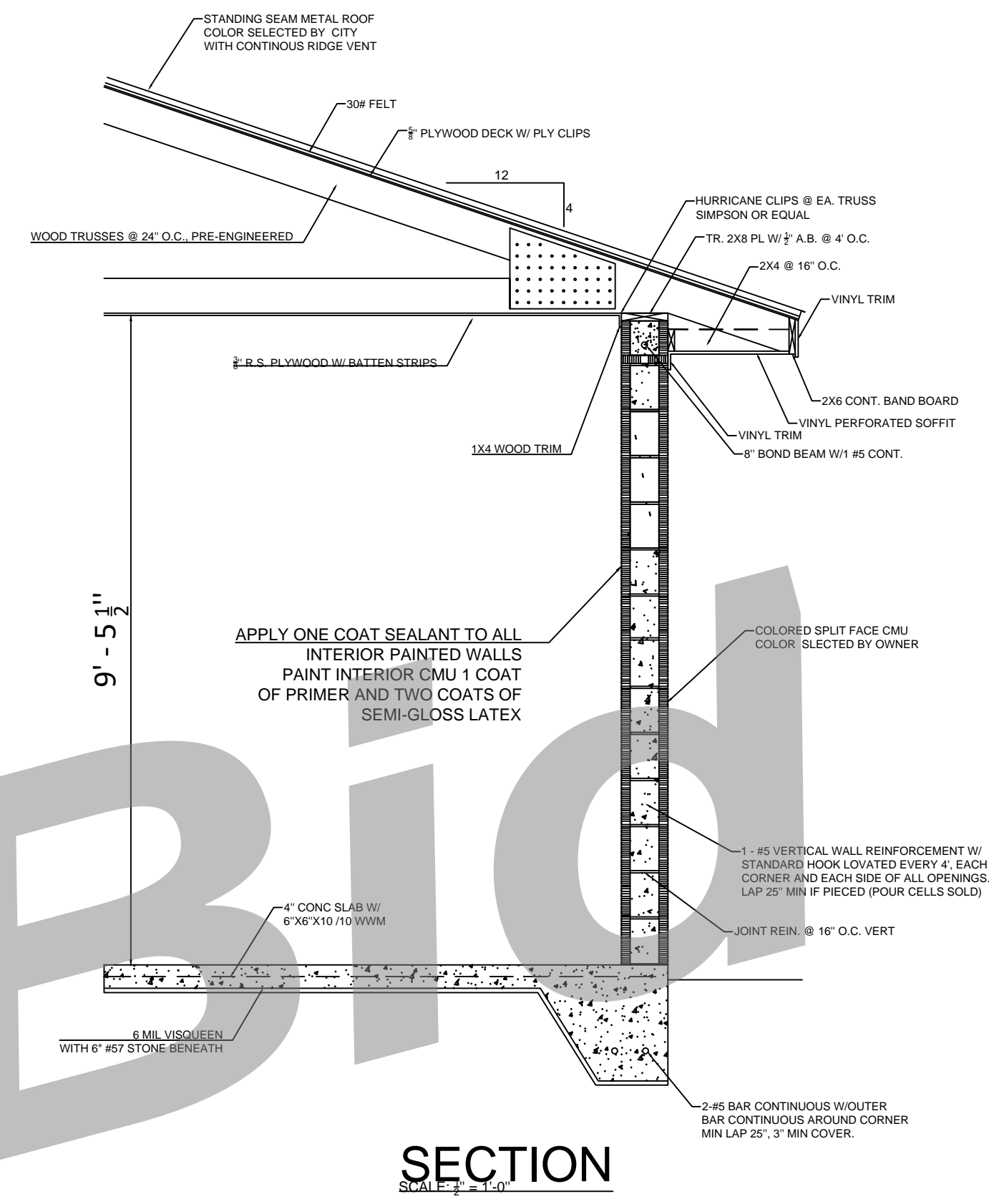
1. STRIP ALL TOPSOIL FOR AREA OF BUILDING & PAVING, STOCKPILE ON THE SITE.
2. SUBGRADE AND ALL CLEAN, SANDY FILL SHALL BE PLACED AND COMPACTED TO 97% RELATIVE DENSITY IN 6" MAX. LAYERS
3. ALL EXCAVATIONS SHALL BE BRACED AND SHORED TO PREVENT CAVING, AND SHALL BE PROVIDED WITH POSITIVE DRAINAGE.
4. BRACE ALL RETAINING AND FOUNDATION WALLS TO PREVENT DAMAGE DURING BACKFILLING OPERATION.
5. ALL BACKFILL AT SLAB OR FOUNDATIONS SHALL BE PLACED IN 6" MAX. LAYER AND COMPACTED TO 95% RELATIVE DENSITY.
6. FINAL GRADES AROUND THE BUILDING SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING FOUNDATION.

REINFORCED CONCRETE

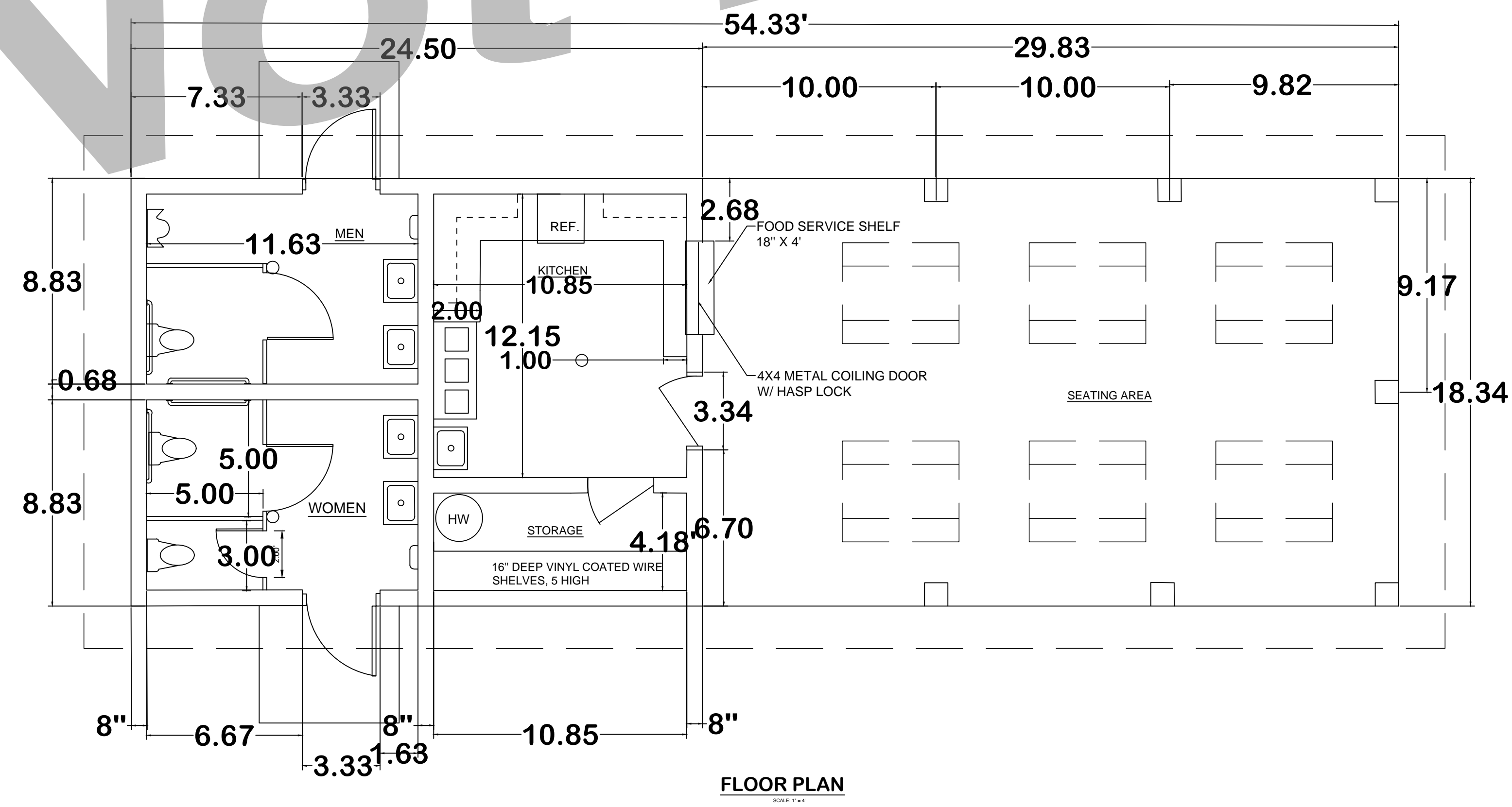
1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED EARTH OR COMPACTED FILL.
2. NO CONCRETE SHALL BE POURED ON FROZEN SUBGRADE OR IN WATER.
3. NO CONCRETE SHALL BE MAINTAINED ABOVE 60 DEGREE F. FOR 5 DAYS MINIMUM.
4. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 4,000 PSI.
5. REINFORCING SHALL MEET ASTM A 615 GRADE 60.
6. WELDED WIRE MESH SHALL CONFORM TO ASTM A185.
7. REINFORCING SHALL BE LAPPED 36" AT SPLICES WITH SPLICES OF ADJACENT BARS STAGGERED 36" MIN. GRADE BEAM AND CHAIN WALL REINFORCING SHALL BE CONTINUOUS AT CORNERS AND INTERSECTIONS OR EQUAL SIZE CORNER BARS PROVIDED THE ALL SPLICED BARS.
8. LAP WELDED WIRE FABRIC 6" AT SPLICES. PLACE IN TOP OF SLAB AS SHOWN.
9. SLAB CONSTRUCTION JOINTS SHALL BE AS DRAWN. POUR ALTERNATE SLABS IN CONSECUTIVE SEQUENCE. WAIT 8 HRS. FOR POURS OF ADJACENT SLABS.
10. REINFORCED CONCRETE SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
11. PLACE 6 MIL POLYETHYLENE FILM UNDER ALL SLABS ON GRADE AND WET CURE SLABS UNDER POLYETHYLENE FOR 7 DAYS.
12. SET ALL ANCHOR BOLTS FOR BUILDINGS AND MISC. METALS BEFORE POURING SURROUNDING CONCRETE. SEE PLANS FOR SIZES AND LOCATIONS.
13. ALL CONCRETE AND REINFORCING SHALL BE PLACED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS AND APPLICABLE REQUIREMENTS OF ACI 318-83. REINFORCED CONCRETE-BUILDING CODE AND ACI MANUAL ACI 315-83.
14. MAXIMUM CONCRETE SLUMP SHALL BE A MEASURED 4" AT EACH TRUCKLOAD. NO WATER SHALL BE ADDED TO THE CONCRETE AFTER SLUMP TEST IS MADE. CONCRETE SUPPLIER SHALL FURNISH A SLUMP TEST PERFORMED BY AN INDEPENDENT TESTING LAB FOR EACH TRUCK LOAD DELIVERED TO THE JOB.

FRAMING AND TRUSS NOTES

1. ALL LUMBER SHALL BE CONSTRUCTION GRADE LUMBER CONFORMING TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION FOR SOUTHERN YELLOW PINE (SYP) TYPE LUMBER, UNLESS NOTED OTHERWISE.
2. WOODEN TRUSSES SHOWN ON THE FLOOR FRAMING PLAN ARE SHOWN FOR SCHEMATIC PURPOSES ONLY. MAXIMUM TRUSS SPACING IS 2'-0".
3. BRACING SHALL BE IN ACCORDANCE WITH TRUSS PLATE INSTITUTE, PUBLICATION "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS."
4. ALL LUMBER USED IN FABRICATION OF WOOD TRUSSES SHALL BE STRUCTURAL GRADE NO. 1 SYP, MINIMUM PER THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL TRUSS CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (TPI).
5. WOOD TRUSS SHOP DRAWINGS SHALL BE SEALED BY A GEORGIA REGISTERED PROFESSIONAL ENGINEER.
6. ALL PLYWOOD USED IN ROOF CONSTRUCTION SHALL BE NAILED AT 6" O.C. ALONG ALL INTERMEDIATE SUPPORTS AND 4" O.C. ALONG PERIMETER EDGES OF EACH SHEET USING 8d NAILS MINIMUM. VERTICAL JOINTS BETWEEN UPPER AND LOWER SHEETS SHALL BE STAGGERED A MINIMUM OF 2'-0".
7. FILL ALL C.M.U. CELLS BELOW FINISH FLOOR SOLID WITH 2,000 PSI GROUT MINIMUM.
8. WHERE ON CONDITION IS SHOWN, IT SHALL APPLY TO ALL LIKE AND SIMILAR CONDITIONS.



SECTION
Scale: 1/4" = 1'-0"

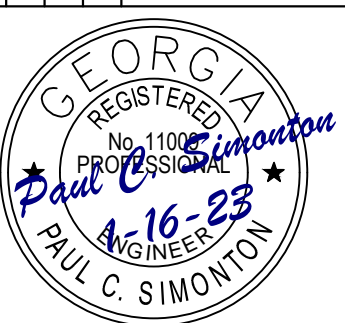


FLOOR PLAN
Scale: 1/4" = 1'-0"

Not for Bid

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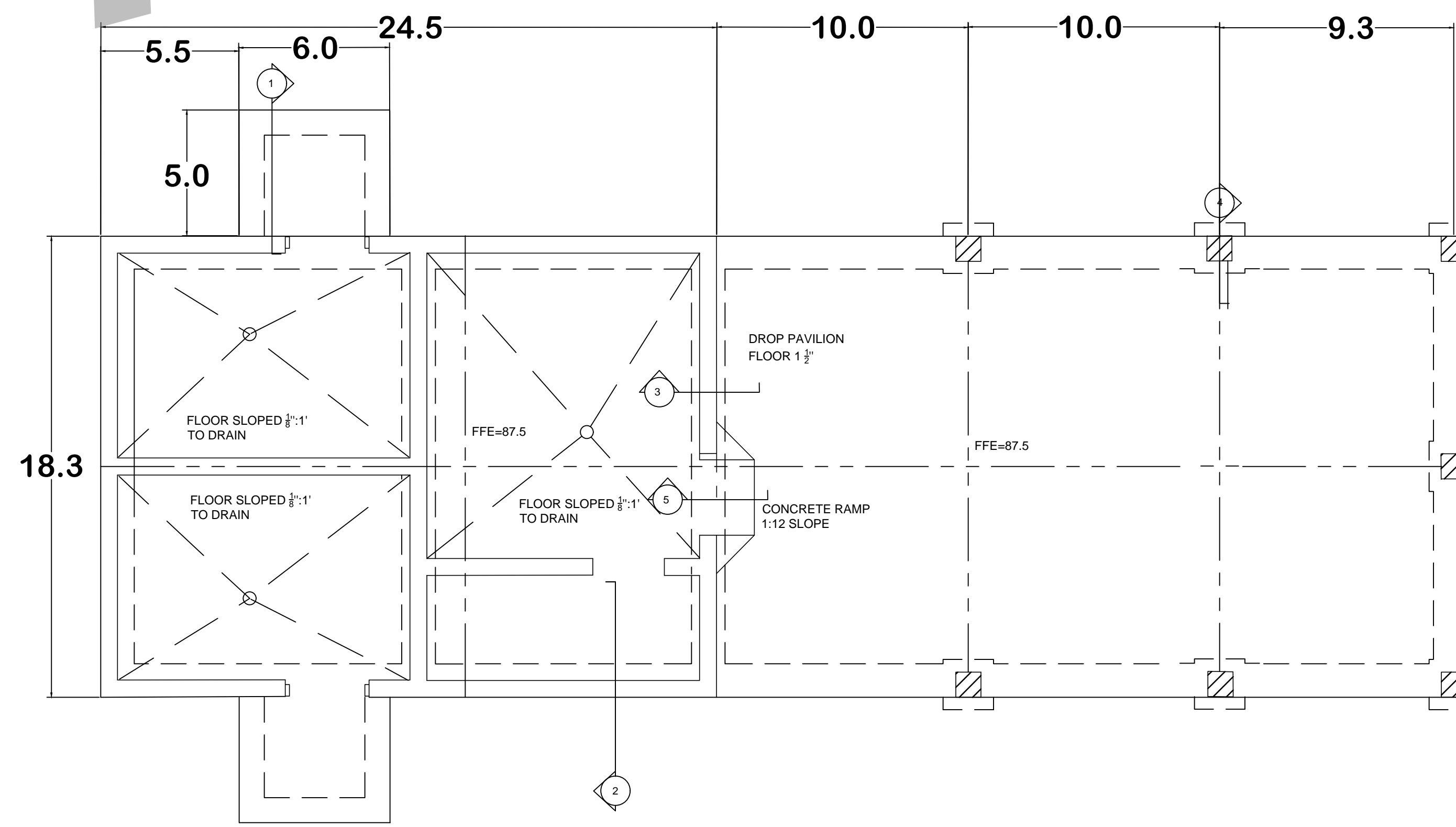
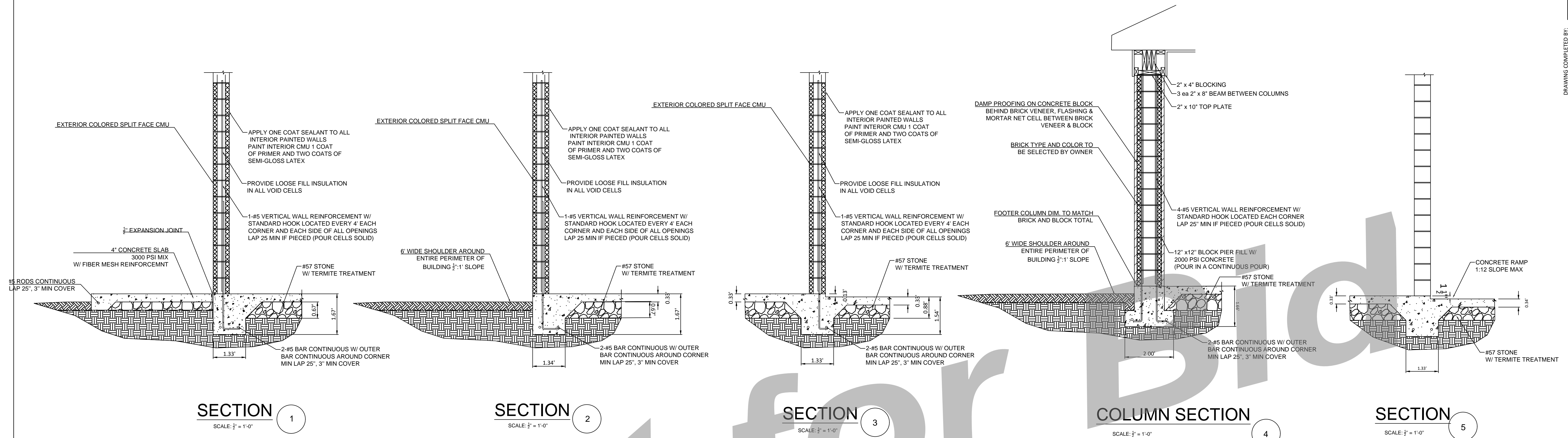
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Krebs Park Ph 2
for
The City of Hinesville
Liberty County, Georgia

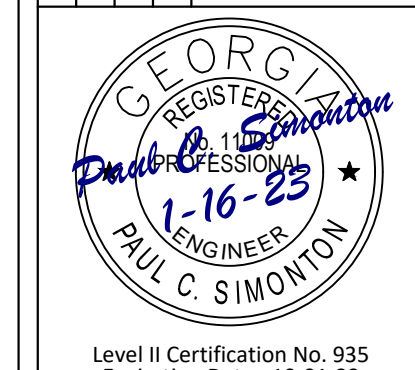
Foundation Plan
&
Sections
DATE: January 5, 2023
FILE NO: 2020-97PJ
SHEET: C 2.2

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Krebs Park Ph 2
for
The City of Hinesville
Liberty County, Georgia

Floor Plan

DATE: January 5, 2023
FILE NO: 2020-99PU
SHEET: C 2.3

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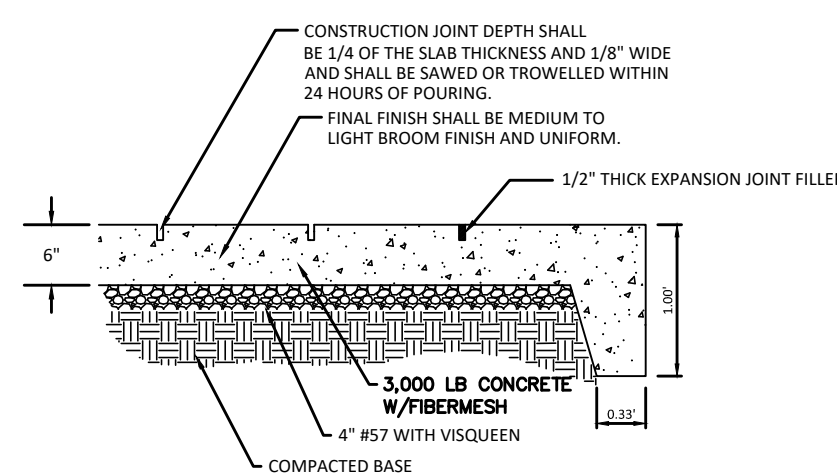
Item	Obstacle	Height	Width	Length
1	Quarter Pipe	3.0'	4.0'	10.0'
2	Quarter Pipe	3.0'	4.0'	10.0'
3	Bank Ramp	5.0'	4.0'	15.0'
4	Bank Ramp	5.0'	4.0'	15.0'
5	Grind Rail (Round)	1.0'	2"	20.0'
6	Wedge, Flat, Wedge	1.0'	8.0'	14.0'
7	Grind Rail, Kinked (Round)	1.0'	2"	18.0'
8	Pyramid Section (Wedge)	1.5'	6.0'	16.0'
9	Wedge, Flat, Wedge	1.5'	4.0'	16.0'
10	Grind Rail, Kinked (Round)	1.5'	2"	18.0'
11	Bank Ramp (Wedge)	2.0'	4.0'	8.0'
12	Bank Ramp (Wedge)	2.0'	4.0'	8.0'
13	Bank Ramp (Wedge) 2' Wide	2.0'	2.0'	8.0'
14	Bank Ramp (Wedge) 2' Wide	2.0'	2.0'	8.0'
15	Hubba Ledge (Replica Series)	3.5'	2.0'	18.0'
16	Grindbox	1.0'	4.0'	10.0'
17	Bank Ramp	4.0'	4.0'	13.0'
18	Bank Ramp	3.0'	4.0'	9.0'
19	Quarter Pipe	4.0'	4.0'	7.0'
20	Quarter Pipe	4.0'	4.0'	11.0'
21	Half Pipe	4.0'	4.0'	30.0'
22	Half Pipe	4.0'	4.0'	30.0'
23	Half Pipe	4.0'	4.0'	30.0'

Specifications to match
American Ramp Company System
Specifications
Joplin, Mo or EQUAL

GENERAL CONCRETE GUIDELINES FOR A SKATE PARK PAD

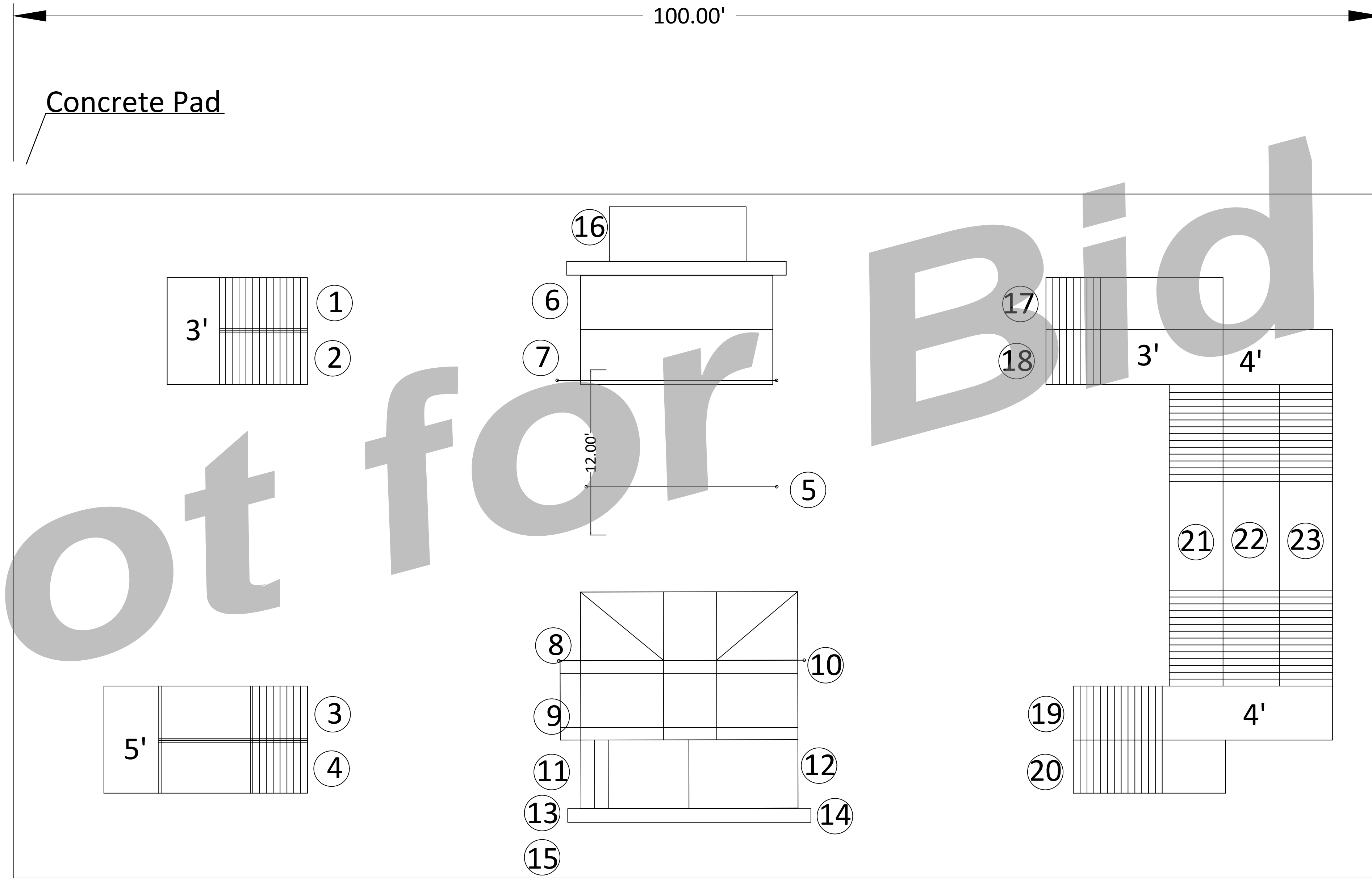
- Concrete should be poured to a minimum thickness of 4 inches with thickened (8") edges
- Finish: Finish should be smooth, but not slick. 2-3 passes can accomplish this with a power trowel.
- Recommend four inches of subbase compacted to 90% of its maximum unit weight.
- Portland cement shall meet the requirements of ASTM C150.
- Concrete shall be reinforced using #4 rebar spaced at 16 inches
- Air content should be 4-6%
- Slump shall be 1-4 inches and compressive strength shall be at least 3500 psi after 28 days.
- Concrete shall contain at least six sacks of cement per cubic yard of concrete.
- Soft and yielding soils shall be excavated and replaced with suitable soils.
- Forms shall extend the full depth of the concrete. Forms shall be of sufficient strength and staked to prevent springing or yielding after placement of concrete.
- Concrete shall be deposited to the proper depth and spaded or vibrated to ensure proper consolidation.
- Control Crack Joints: should be sawed approx. every 10' square or as to fit the park
- Joints shall not vary more than 1/4 inch from their designated position.
- Concrete should have a 1% grade in one direction. A crowned grade is not acceptable.
- The top edges of the slab and all transverse joints shall be rounded with a finishing tool having a radius of 1/4 inch.
- Pavement surfaces shall not vary more than 3/8 inch from the alignment and typical cross section.
- Concrete shall not be placed when the air temperature is less than 35 degrees F or higher than 85°F. Concrete shall be protected from damage caused by freezing or rain.
- The Contractor shall provide sufficient barricading and security to protect fresh concrete from accidental damage or vandalism. Damaged concrete shall be removed to a joint and replaced at the Contractor's expense.
- Excavation; grading; filling; replacing unstable soils; furnishing, placing and compacting a sand base (where required); forming; placing and finishing concrete; joint construction, form removal; backfilling; protection of uncured concrete; and barricading; and all included in the work.
- If concrete becomes damaged, including by accident or vandalism, prior to curing; the Contractor at no cost to the Owner shall replace it.

NOTES:
CONSTRUCTION JOINTS: 15'-0" O.C. (MAX)
EXPANSION JOINTS: 40'-0" O.C. (MAX)



CONCRETE PAVING DETAIL
N.T.S.

50.00'



NOTES:
1. CONSTRUCTION JOINTS IN SLAB NOT TO EXCEED 15'X 15'
2. OUTSIDE EDGE OF SLAB TO TURN DOWN

GRAPHIC SCALE



(IN FEET)
1 inch = 5 ft.

DRAWING COMPLETED BY:

REVISED:



Level II Certification No. 935
Expiration Date: 10-01-23

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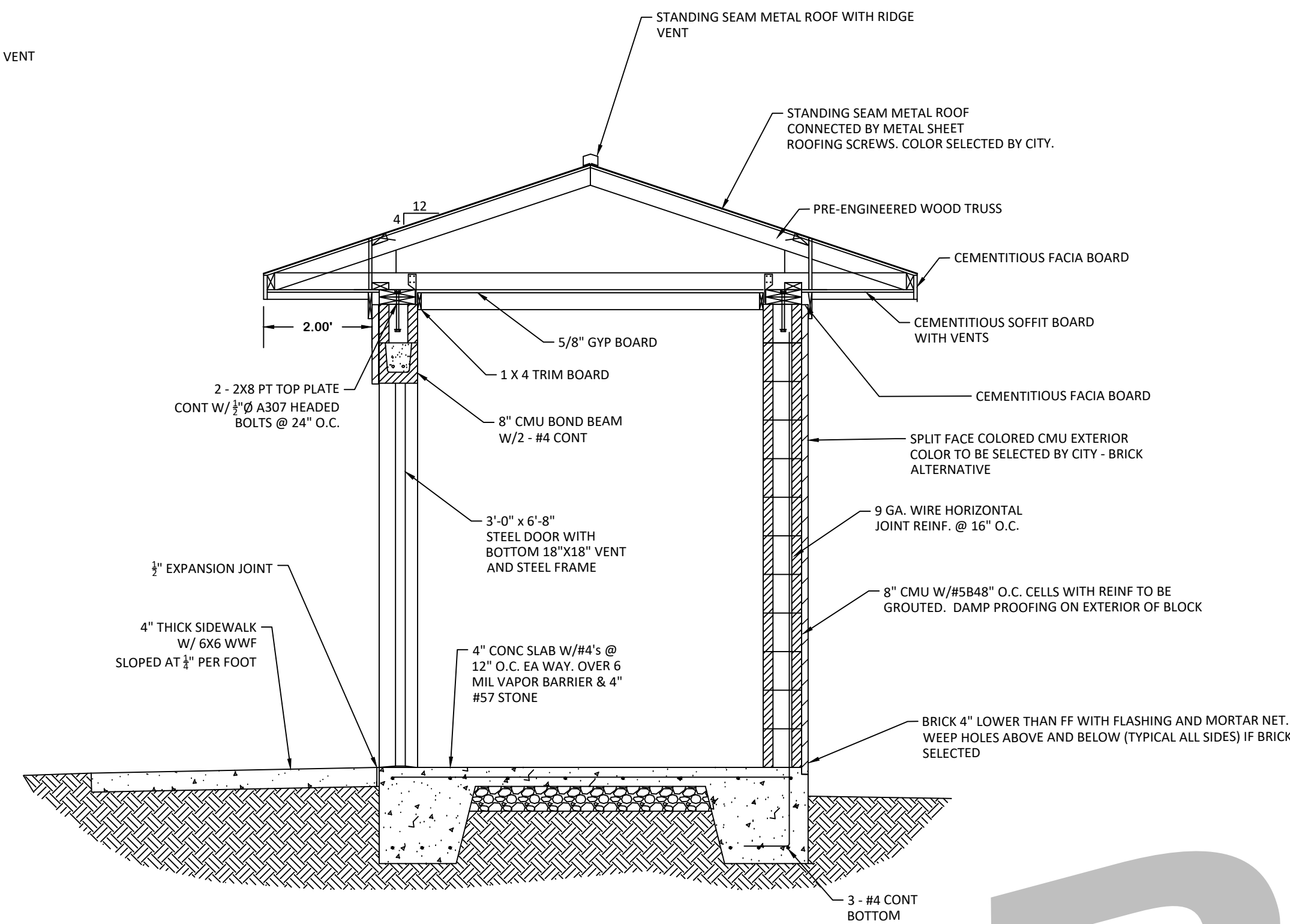
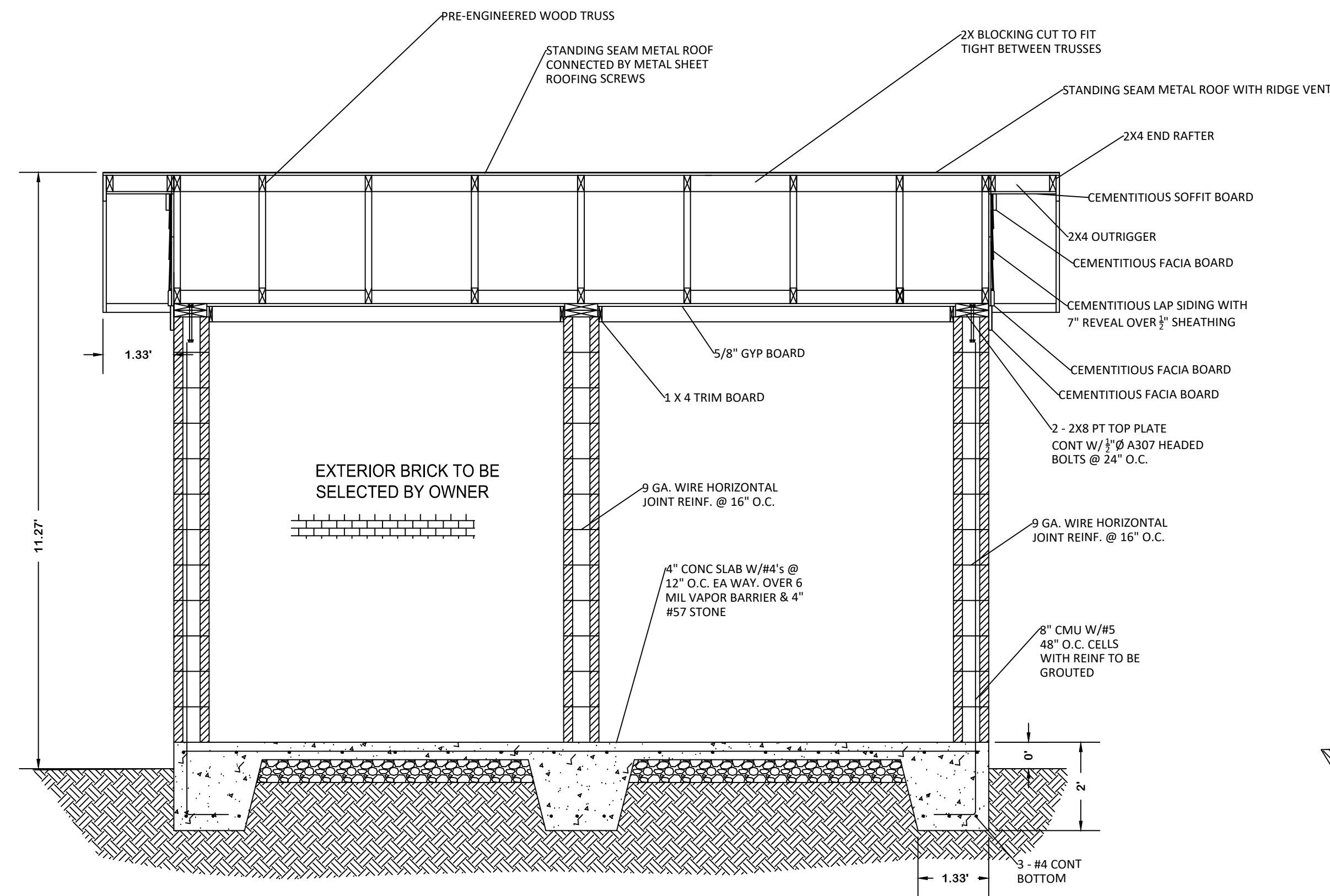


Krebs Park Ph 2
for
The City of Hinesville
Liberty County, Georgia

Skate Park

DATE: January 5, 2023
FILE NO: 2020-97PRU
SHEET: C 2.4

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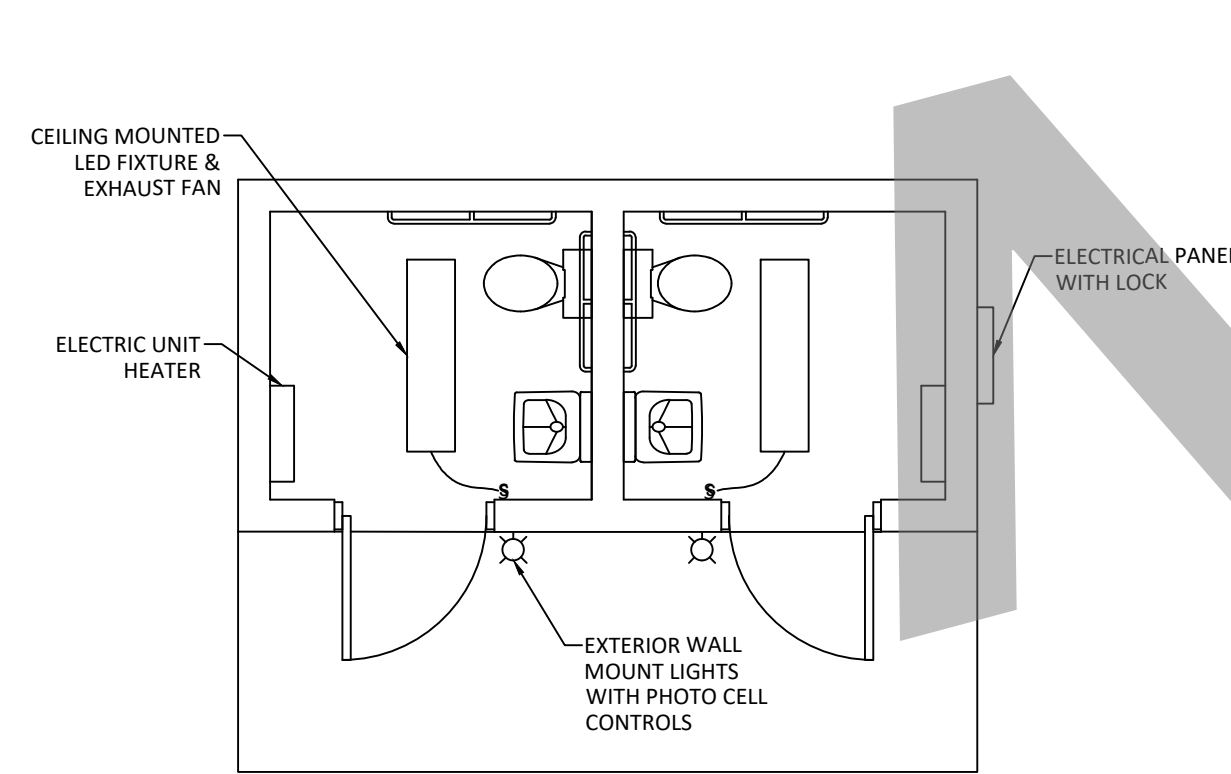
**BATHROOM FACILITY
BUILDING SECTION**
SCALE: 1" = 2'-0"

STRUCTURE, CONCRETE SLAB & FOUNDATION NOTES:

- DESIGN SOIL BEARING PRESSURE = 2000 PSF. SOIL BEARING PRESSURE SHALL BE VERIFIED AT TIME OF EXCAVATION AND ENGINEER SHALL BE NOTIFIED IF ACTUAL SOIL BEARING PRESSURE IS LOWER THAN DESIGN VALUE.
- STEP FOOTINGS DOWN BELOW MECHANICAL, ELECTRICAL, OR PLUMBING LINES AS REQUIRED TO AVOID INTERFERENCE. SEE TYP. FOOTING STEP DETAIL, COORDINATE W/ OTHER TRADES. PROVIDE PIPE SLEEVE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.
- WHERE UTILITY LINES PASS UNDER A FOOTING, PROVIDE RELIEVING ARCH FOR PROTECTION.
- SIDEWALK SLABS SHALL BE 3000 PSI, 4" THICK CONC. REINF. W/ 6x6-W1.4xW1.4 WWF @ CENTER OF SLAB. FLOOR SLAB SHALL BE 3000 PSI, 8" THICK CONC. REINFORCED W/ #4'S @ 12" O.C. EA WAY CTR. OF SLAB. SEE PLAN FOR FINISHED FLOOR ELEVATIONS. (REFER TO PLAN AND DETAILS FOR SIDEWALK LOCATIONS & DETAILS).
- PROVIDE 4" THICK NO. 57 STONE GRANULAR BASE & VAPOR BARRIER UNDER INTERIOR FLOOR SLAB.
- CONDUITS & PIPES EMBEDDED IN SLABS:
 - SHALL NOT BE LARGER IN OUTSIDE DIM THAN 1/3 THE OVERALL THICKNESS OF SLAB.
 - SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER.
 - MIN. SLAB THICKNESS OF 2 1/2" MUST BE MAINTAINED OVER EMBEDDED ITEMS.

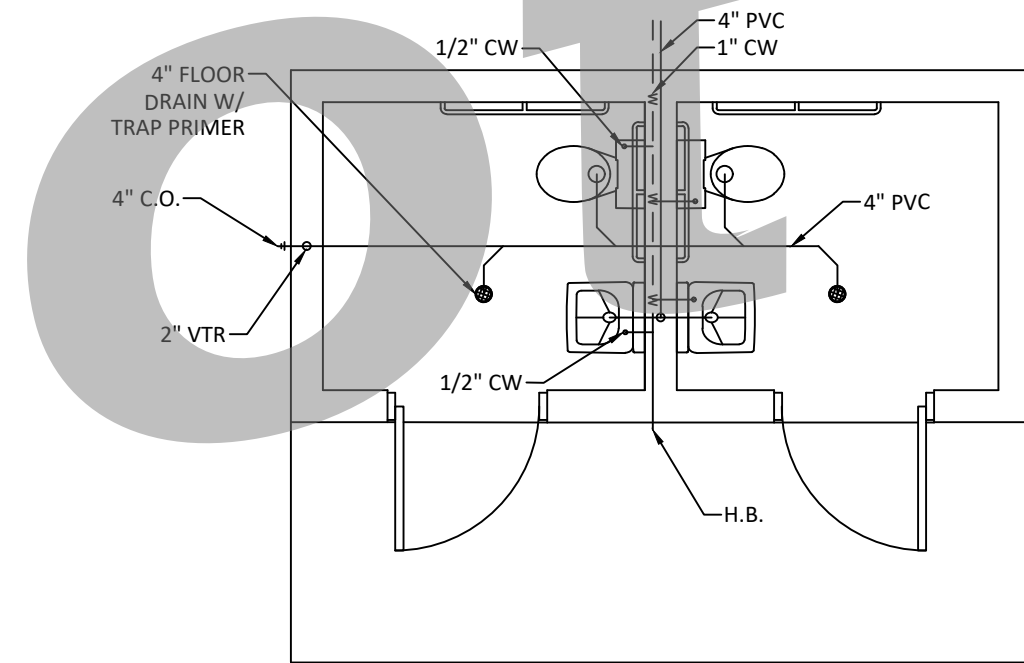
BATHROOM NOTES:

- THE BATHROOM EXHAUST FAN SHALL BE GREENHECK MODEL # SP-B150-QD OR APPROVED EQUAL.
- THE UNIT HEATERS SHALL BE KING - VANDAL RESISTANT HEATER MODEL # LPW1215 OR APPROVED EQUAL.
- BATHROOMS SHALL INCLUDE: SOAP DISPENSER, HAND DRYER, TOILET PAPER ROLLER, AND UNBREAKABLE MIRROR.



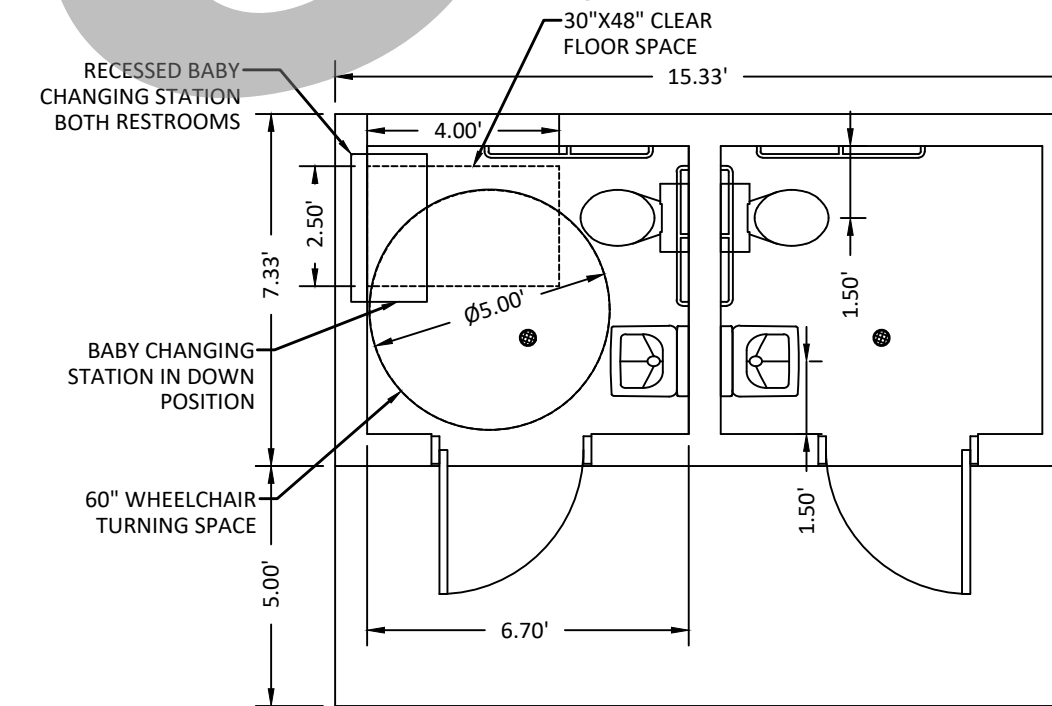
**BATHROOM FACILITY
ELECTRICAL PLAN**

SCALE: 1" = 4'-0"
NOTE: REFER TO ELECTRICAL ENLARGEMENTS (SHEET E201) FOR DETAILED ELECTRICAL PLANS



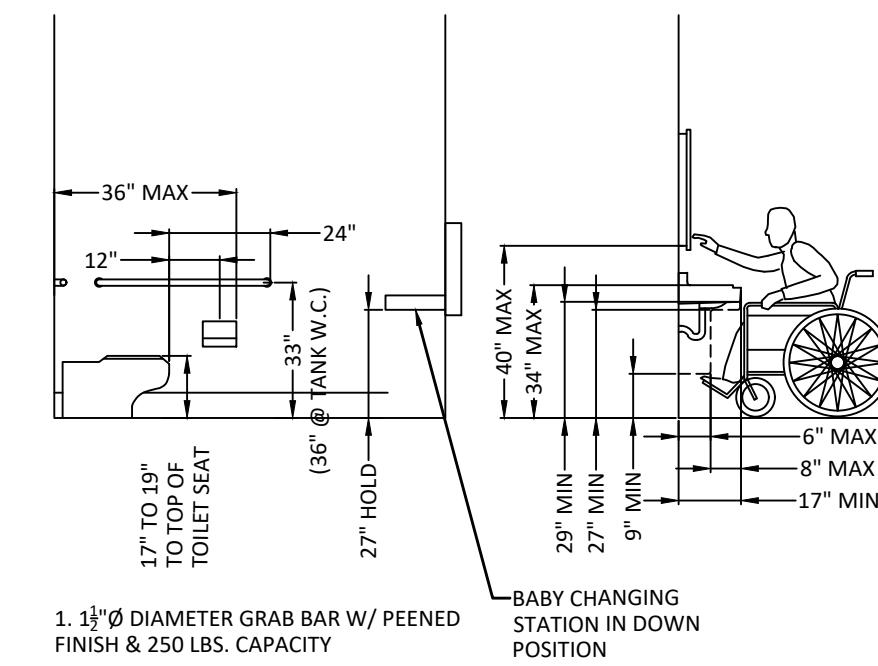
**BATHROOM FACILITY
PLUMBING PLAN**

SCALE: 1" = 4'-0"



**BATHROOM FACILITY
FLOOR PLAN**

SCALE: 1" = 4'-0"



1. 1 1/2" DIAMETER GRAB BAR W/ PEENED FINISH & 250 LBS. CAPACITY

Not for Bid

DRAWING COMPLETED BY:
REVISED:



Level II Certification No. 935
Expiration Date: 10-01-23

1050 Parkside Cms. S 101
Greensboro, GA 30642
319 Screven Way, S 106
Hinesville, GA 31313
www.simontonengineering.com
TEL: (706) 454-0870

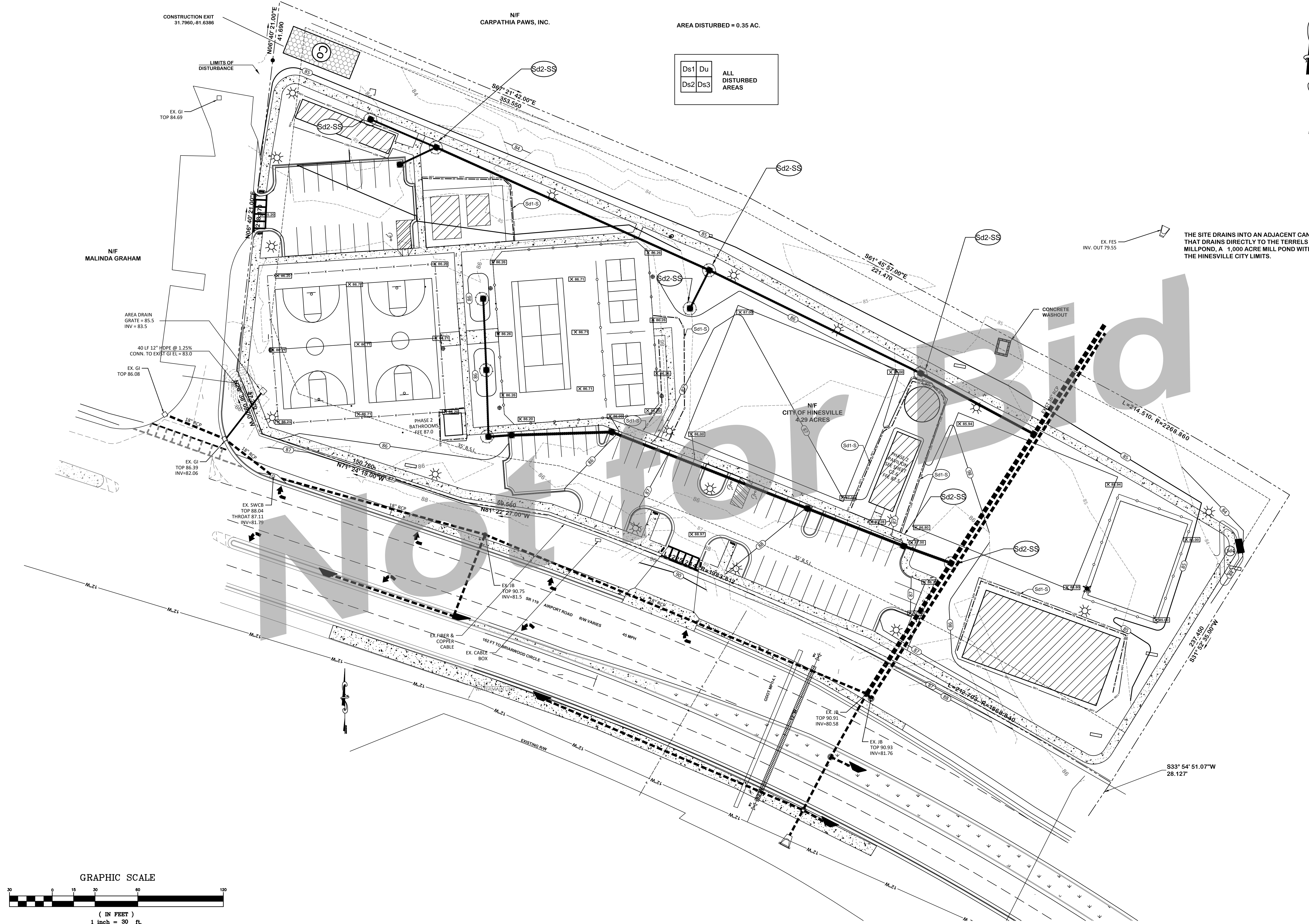
**SIMONTON
ENGINEERING**



Krebs Park Ph 2
for
The City of Hinesville
Liberty County, Georgia

Restroom Details

DATE: January 5, 2023
FILE NO: 2020-97PRJ
SHEET: C.2.5



CONSTRUCTION EXIT
31.7960, 81.6386

NIF
CARPATHIA PAWS, INC.

AREA DISTURBED = 0.35 AC.

Ds1	Du	ALL DISTURBED AREAS
Ds2	Ds3	

NIF
MALINDA GRAHAM

AREA DRAIN
GRATE = 85.5
INV = 83.5

40 LF 12" HOPE @ 1.25%
CONN. TO EXIST GI EL = 83.0

EX. GI
TOP 86.39
INV = 82.06

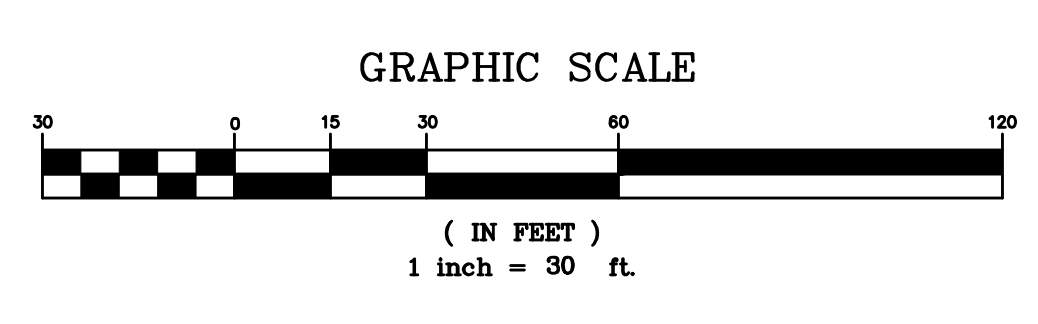
EX. SWCB
TOP 88.04
THROAT 87.11
INV = 81.79

PHASE 2
BATHROOMS
FEE 87.0

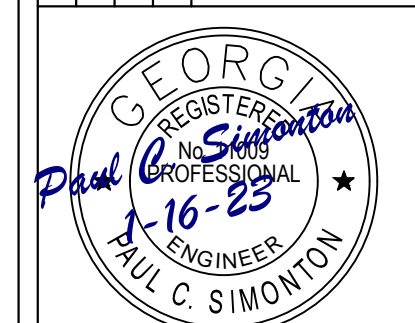
NIF
CITY OF HINESVILLE
4.29 ACRES

CONCRETE
WASHOUT

THE SITE DRAINS INTO AN ADJACENT CANAL
THAT DRAINS DIRECTLY TO THE TERRELS
MILLPOND, A 1,000 ACRE MILL POND WITHIN
THE HINESVILLE CITY LIMITS.



DRAWING COMPLETED BY:



Level II Certification No. 935
Expiration Date: 10-01-23

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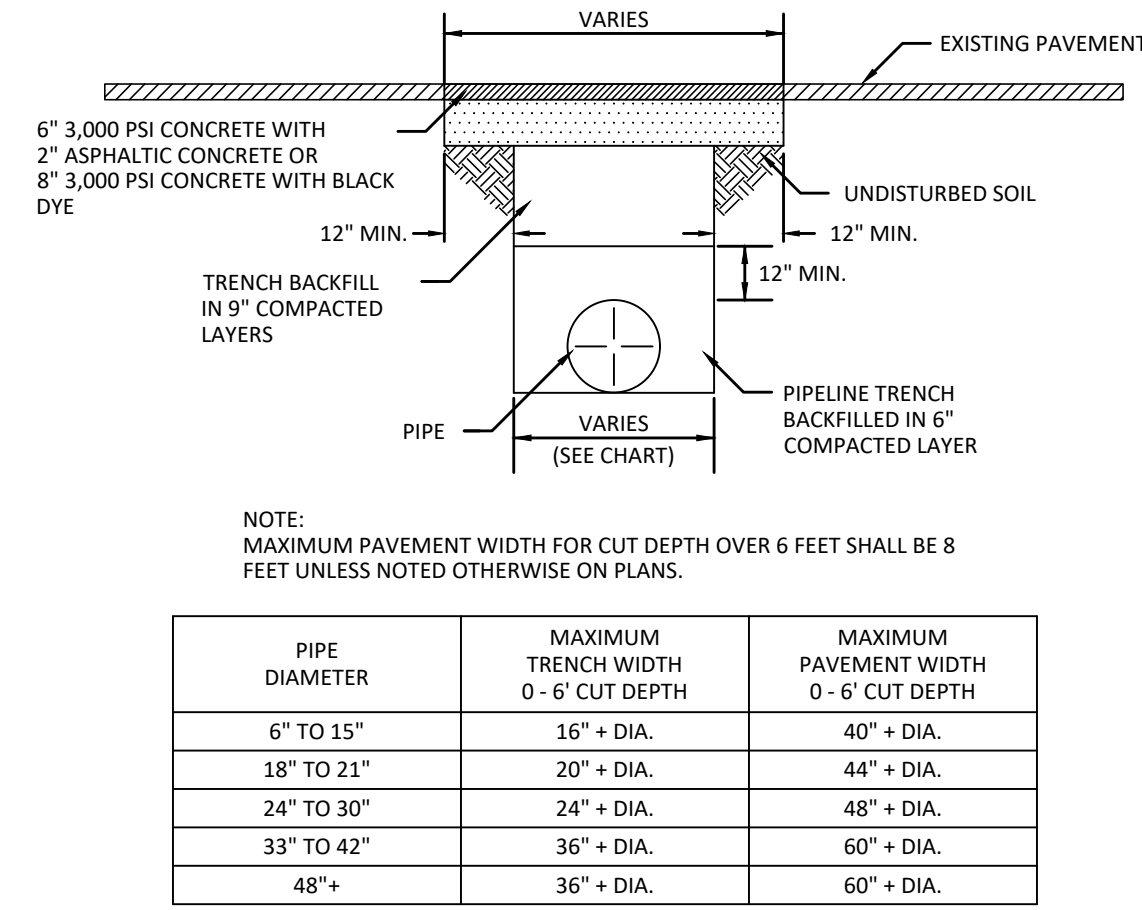
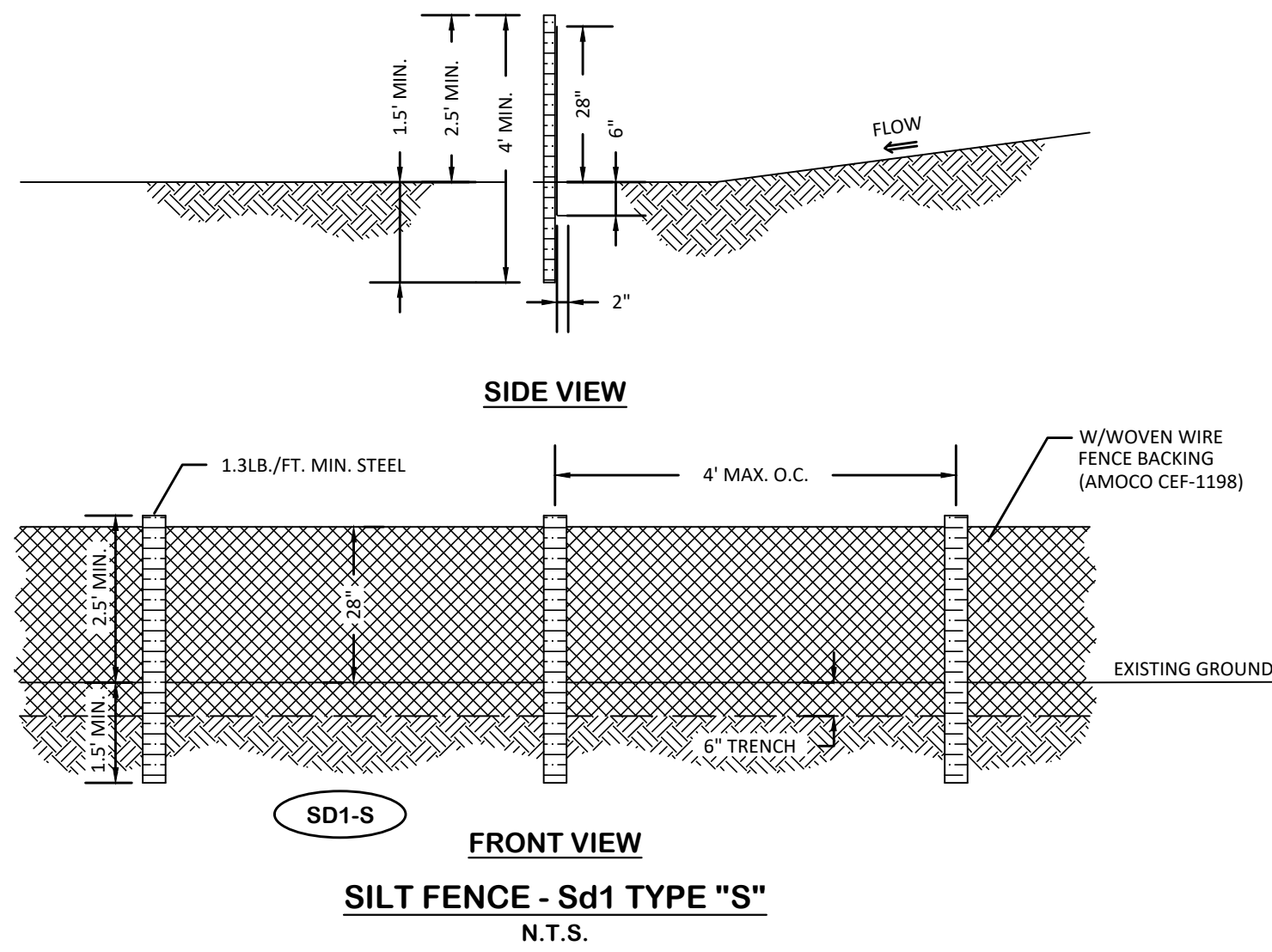
SIMONTON
ENGINEERING



Krebs Park Ph 2
for
The City of Hinesville
Liberty County, Georgia

Erosion & Sediment
Control Plan -
Phase II
DATE: January 5, 2023
FILE NO: 2020-97PRJ
SHEET: C 3.1

REVISIONS TO GRADING, DRAINAGE PLUS EROSION AND SEDIMENT CONTROL
12-16-21 REVISIONS COMMENTS FROM GSWCC
1-29-22 ADDRESSES COMMENTS FROM GSWCC
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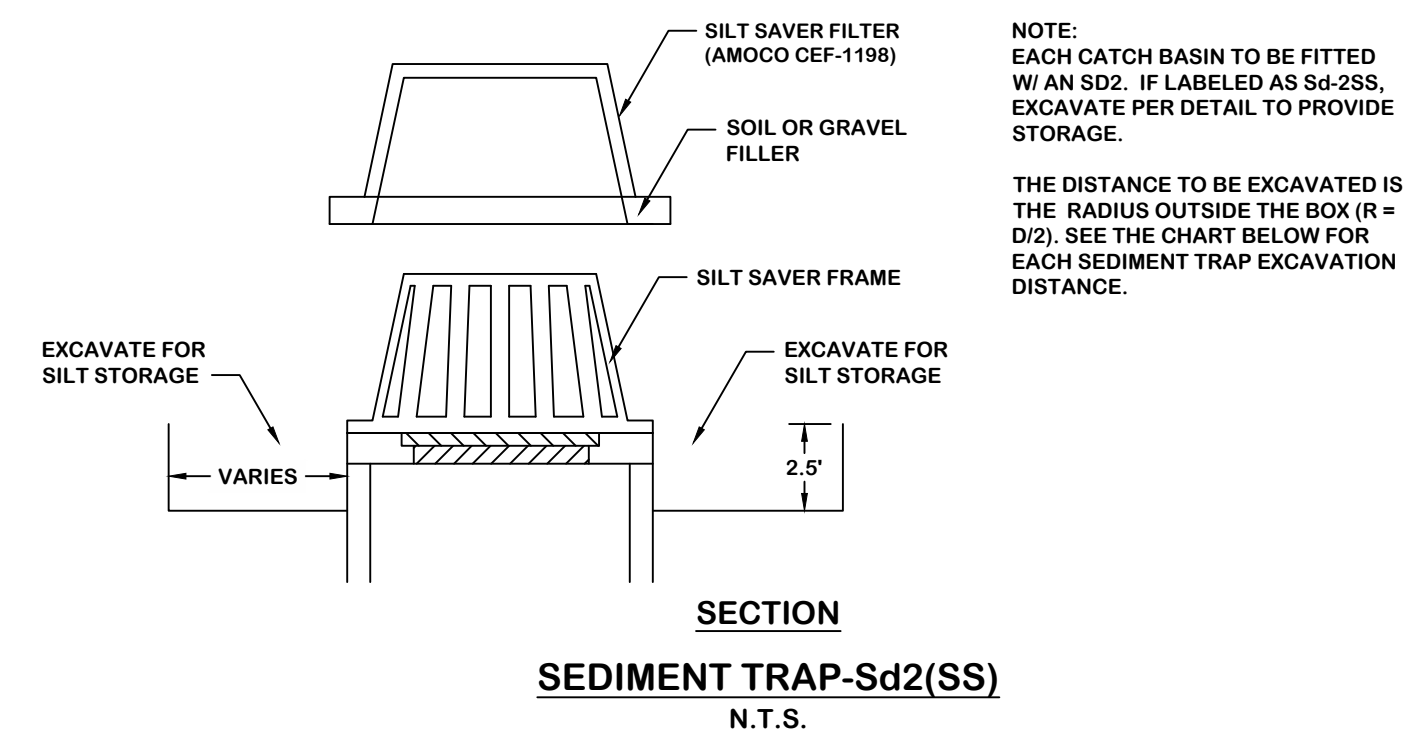


PIPE DIAMETER	MAXIMUM TRENCH WIDTH 0-6' CUT DEPTH	MAXIMUM PAVEMENT WIDTH 0-6' CUT DEPTH
6" TO 15"	16" + DIA.	40" + DIA.
18" TO 21"	20" + DIA.	44" + DIA.
24" TO 30"	24" + DIA.	48" + DIA.
33" TO 42"	36" + DIA.	60" + DIA.
48" +	36" + DIA.	60" + DIA.

Sd2 Sizing Chart

INLET I.D.	(ACRES)	(CF)	(FT)	(FT)	(SF)	(FT)	
	DRAINAGE AREA	REQ. SEDIMENT STORAGE	EXCAVATION DEPTH	SIDE SLOPES	MIN. SURFACE AREA REQ. (SA _{min})	EXCAVATION SHAPE	DIAMETER
GI 1	.120	217.08	2.5	2:1	86.83	CIRCULAR	11
GI 2	.120	217.08	2.5	2:1	86.83	CIRCULAR	11
GI 3	.050	90.45	2.5	2:1	36.18	CIRCULAR	7
GI 4	.030	54.27	2.5	2:1	21.71	CIRCULAR	5
GI 5	.030	54.27	2.5	2:1	21.71	CIRCULAR	5
GI 6	.080	144.72	2.5	2:1	57.89	CIRCULAR	9
GI 7	.090	162.81	2.5	2:1	65.12	CIRCULAR	9
GI 8	.080	144.72	2.5	2:1	57.89	CIRCULAR	9
GI 9	.085	153.77	2.5	2:1	61.51	CIRCULAR	9
GI 10	.085	153.77	2.5	2:1	61.51	CIRCULAR	9
GI 11	.150	271.35	2.5	2:1	108.54	CIRCULAR	12
GI 12	.170	326.63	2.5	2:1	128.65	CIRCULAR	12
GI 13	.160	289.44	2.5	2:1	115.78	CIRCULAR	12
GI 14	.200	361.80	2.5	2:1	144.72	CIRCULAR	14
GI 15	.120	217.08	2.5	2:1	86.83	CIRCULAR	11

TOTAL CY STORAGE REQUIRED AND ACHIEVED WITH Sd2SS = 98.49 CY



LEGEND FOR EROSION AND SEDIMENT CONTROL PRACTICES

STRUCTURAL PRACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.

VEGETATIVE PRACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TOP SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.

(COORDINATE WITH FINAL LANDSCAPING PLAN)

Ds3 SPECIES AND PLANTING SCHEDULE

SPECIES	BROADCAST RATES 1/ - PL 2/ PER ACRE 1000 S.F.	PLANTING DATES BY RESOURCE	RESOURCE AREAS 3/	SPECIFICATIONS
BERMUDA, COMMON (CYNODON DACTYLON) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS. 0.2 LB. 6 LBS. 0.1 LB.		P	1.787,200 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON (CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS. 0.2 LB. 6 LBS. 0.1 LB.		P	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA SPRIGS (CYNODON DACTYLON) COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, OR TIFT 44	40 CU. FT. 0.9 CU. FT. OR SOD PLUGS 3' x 3'		P	A CUBIC FT. CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 C.F. OR APPROXIMATELY 600 SPRIGS.
CENTPEDE (EREMOCHOLOA OPHUROIDES)	BLOCK SOD ONLY		P	DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS REQUIRED UNTIL FULL EST. DO NOT PLANT NEAR PARTURES. WINTER HARDY AS FAR NORTH AS ARLING AND ATLANTA.
RECUE TALL (CYNODON DACTYLON) ALONE WITH OTHER PERENNIALS	50 LBS. 1.1 LB. 30 LBS. 0.7 LB.		P	225,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR BROUGHTY SOILS. MIX WITH PERENNIAL ESPERIZAS OR CROWN-VETCH. APPLY TOPDRESSING IN SPRING. FOLLOWING FALL PLANTING. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.

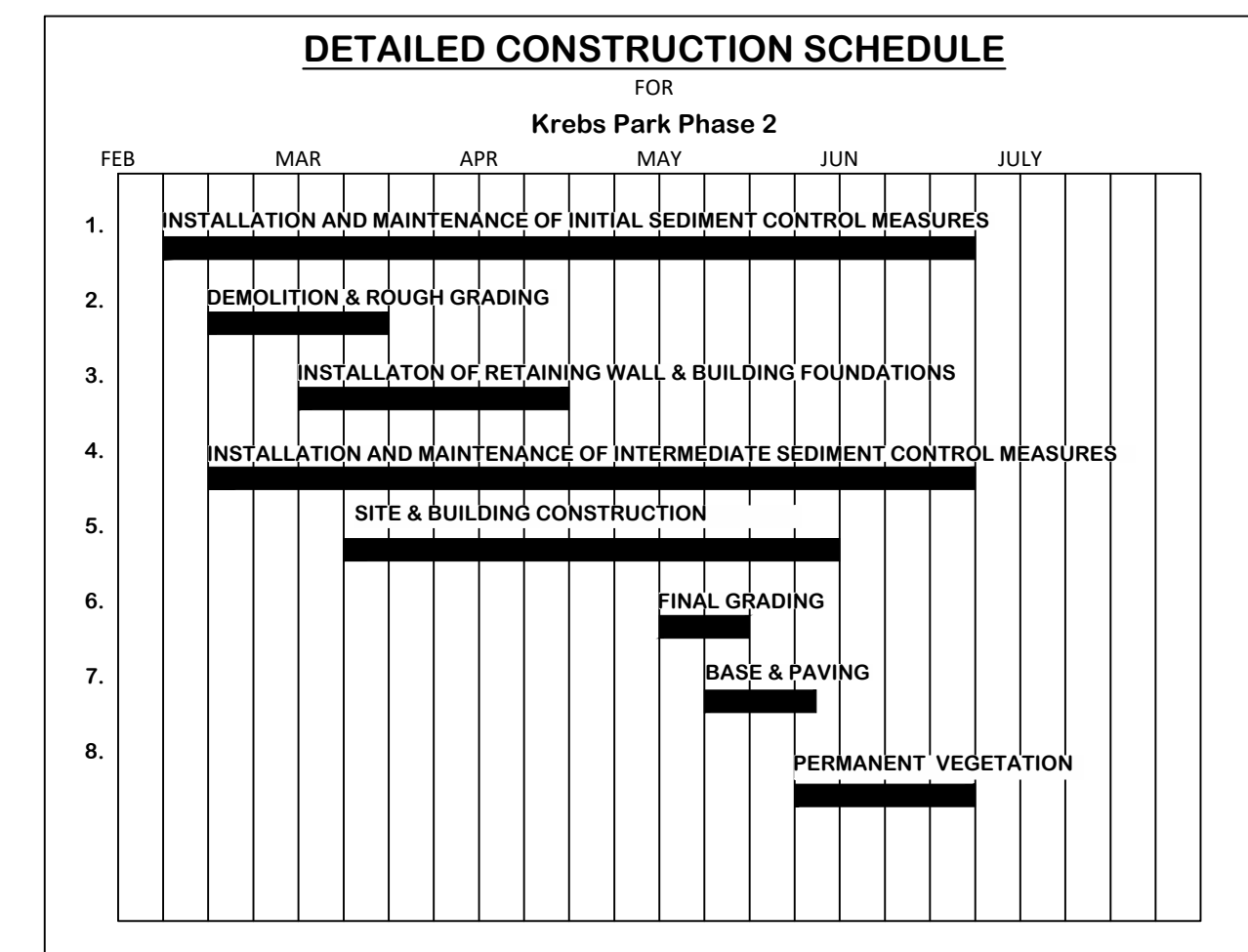
FERTILIZER AND LIME REQUIREMENTS FOR PERMANENT VEGETATION (Ds3)

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)	LIME APPLICATION (TONS/ACRE)
Cool Season Grasses	First	6-12-12	1500	50-100	1
	Second Maintenance	6-12-12 10-10-10	1000 400	30	
Cool Season Grasses and Legumes	First	6-12-12	1500	0-50	1
	Second Maintenance	0-10-10 400	1000 400	-	
Warm Season Grasses	First	6-12-12	1500	50-100	1
	Second Maintenance	6-12-12 10-10-10	800 400	50-100 30	
Warm Season Grasses and Legumes	First	6-12-12	1500	0-50	1
	Second Maintenance	0-10-10 400	1000 400	-	

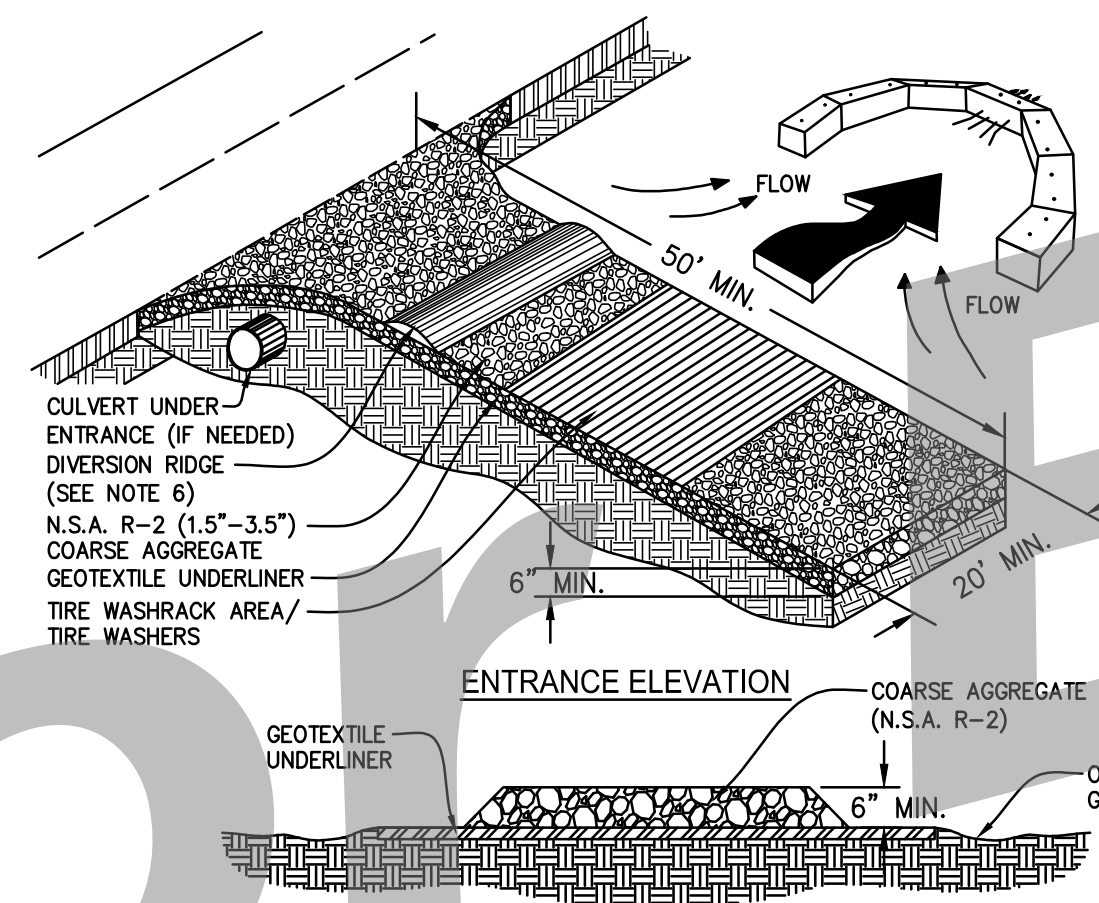
Ds3 PERMANENT GRASSING MULCHING RATES

MATERIAL	DEPTH
1. GRAIN STRAW OR GRASS HAY	4" TO 6"
2. PINE NEEDLE	3" TO 5"
3. WOOD WASTE (SAWDUST, BARK, CHIPS)	4" TO 6"

Ds3 DISTURBED AREA STABILIZATION (WITH PERM SEEDING)

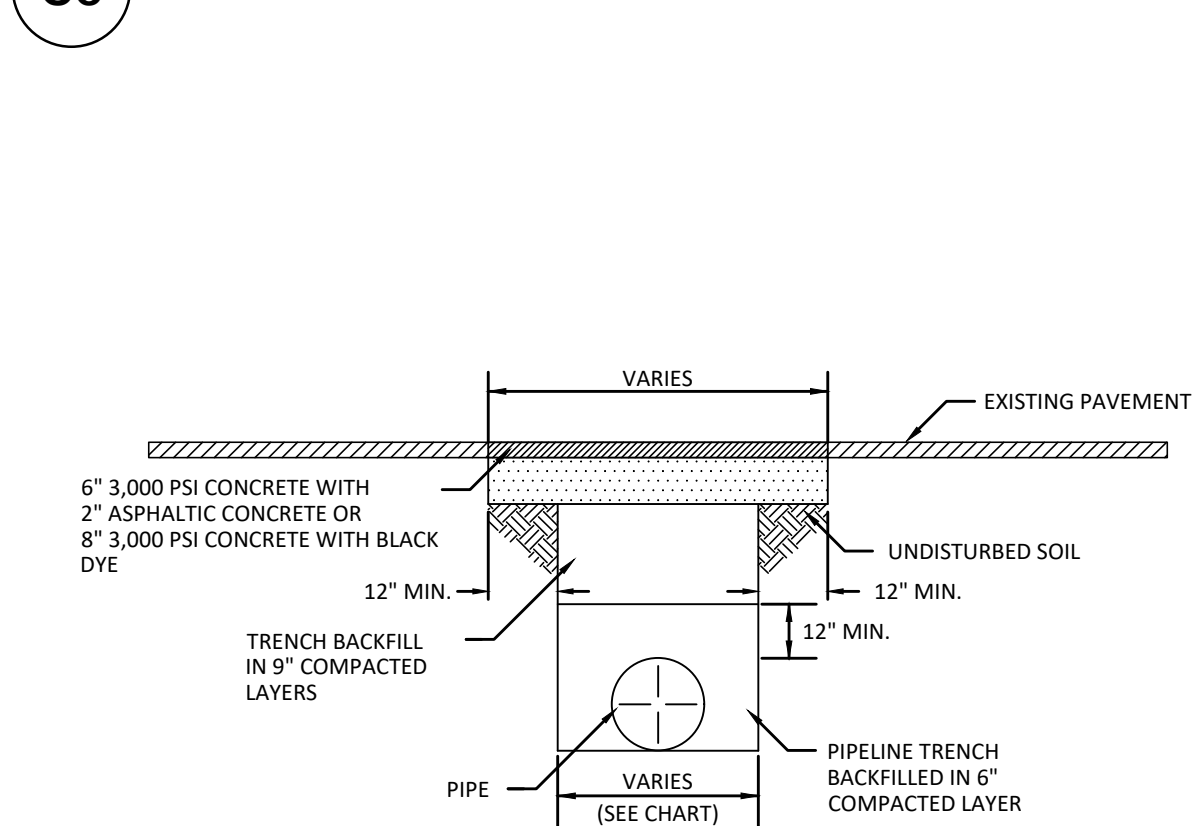


CRUSHED STONE CONSTRUCTION EXIT EXIT DIAGRAM



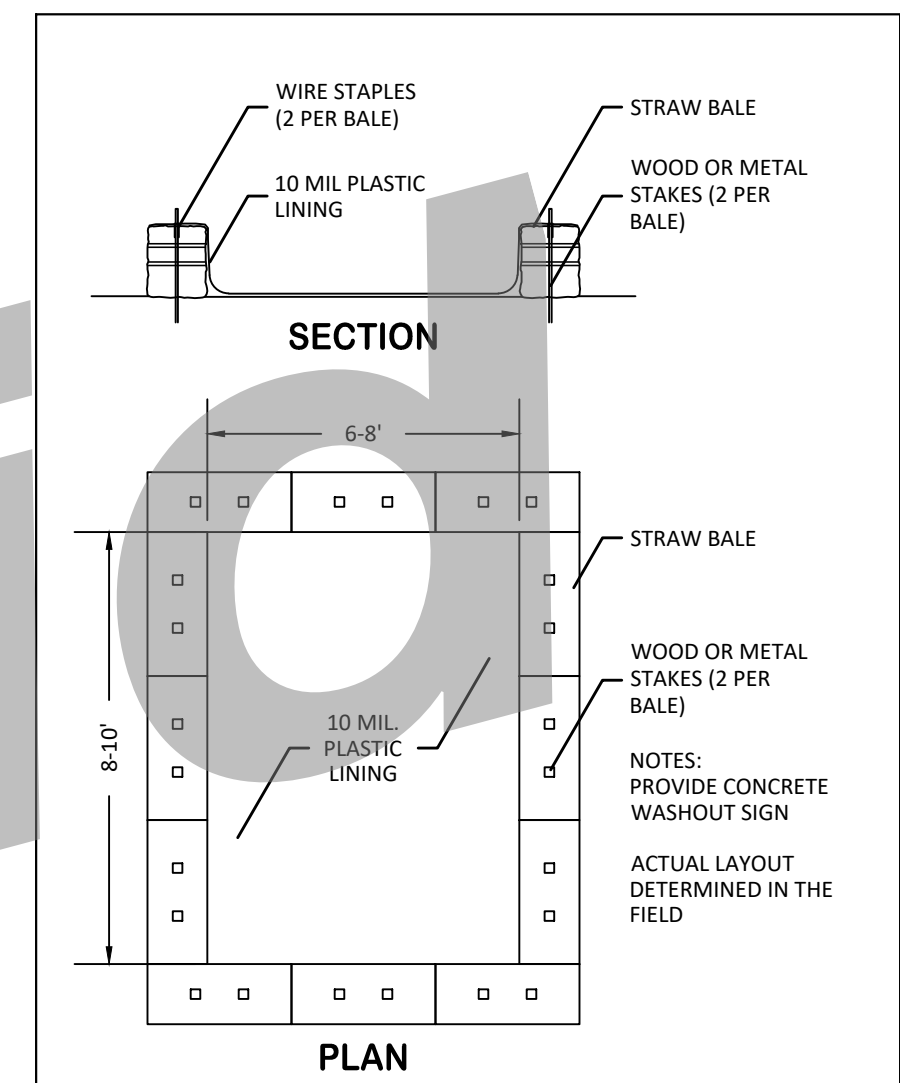
- NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (OVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co CONSTRUCTION EXIT

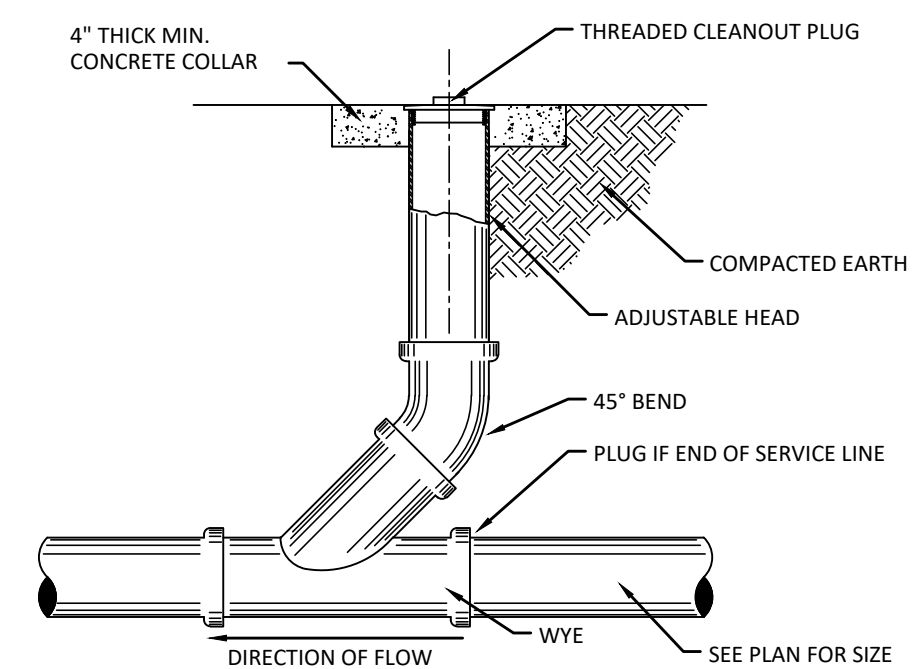


PIPE DIAMETER	MAXIMUM TRENCH WIDTH 0-6' CUT DEPTH	MAXIMUM PAVEMENT WIDTH 0-6' CUT DEPTH
6" TO 15"	16" + DIA.	40" + DIA.
18" TO 21"	20" + DIA.	44" + DIA.
24" TO 30"	24" + DIA.	48" + DIA.
33" TO 42"	36" + DIA.	60" + DIA.
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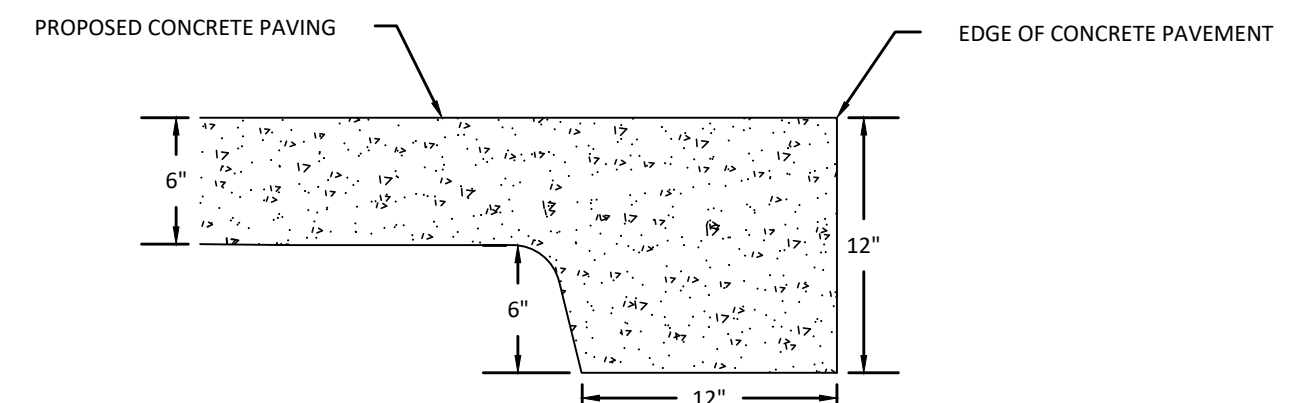
PAVEMENT REMOVAL & REPLACEMENT N.T.S.



CONCRETE WASHOUT DETAIL NOT TO SCALE



CLEANOUT DETAIL N.T.S.



CONCRETE TERMINATION DETAIL N.T.S. 2020-97PRJ



Level II Certification No. 935
Expiration Date: 10-01-23

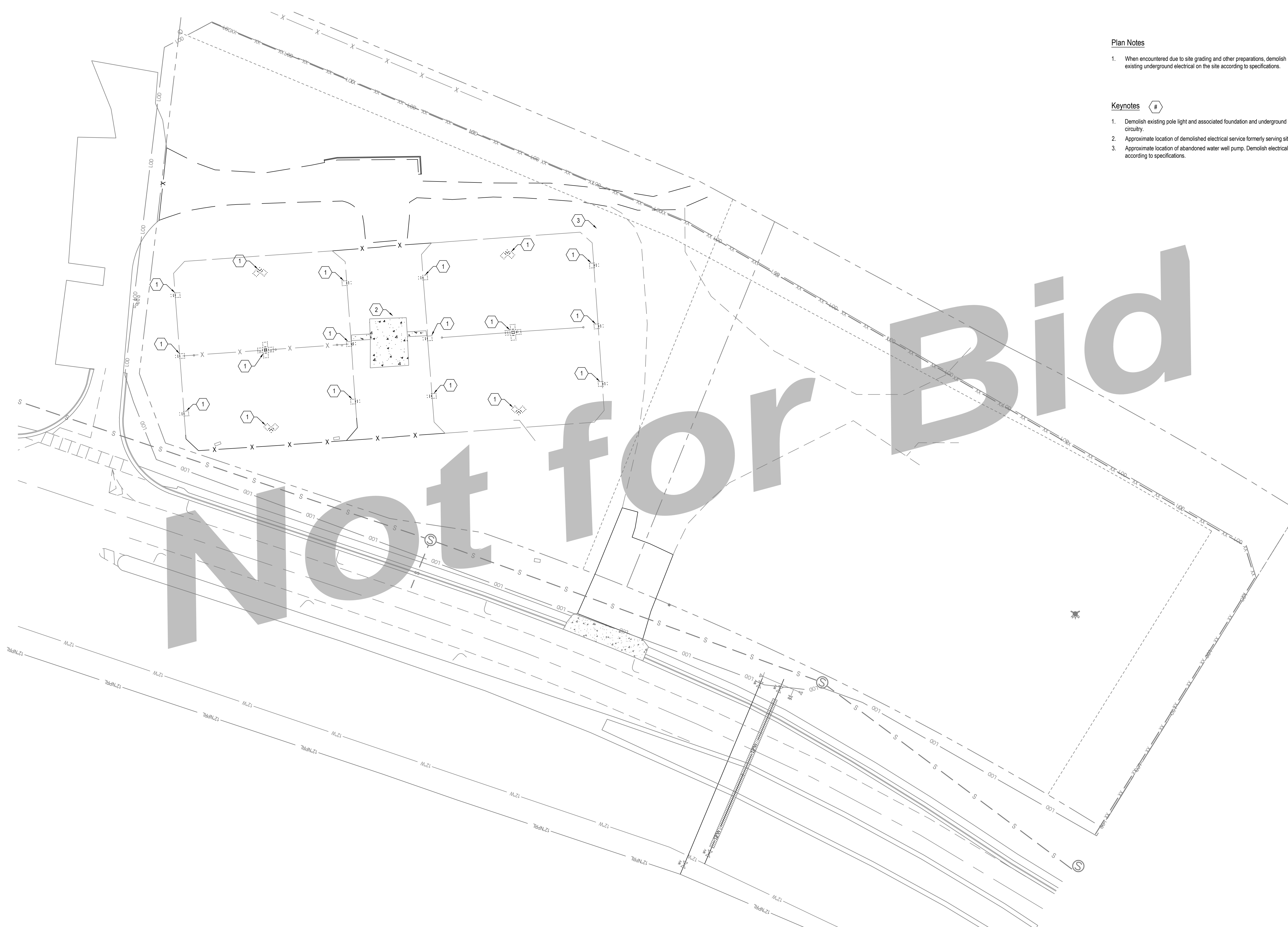
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TEL: (706) 454-0870

SIMONTON ENGINEERING



Krebs Park Ph 2
for
The City of Hinesville
Liberty County, Georgia

Details
DATE: January 5, 2023
FILE NO: 2020-97PRJ
SHEET: C 5.0



Plan Notes

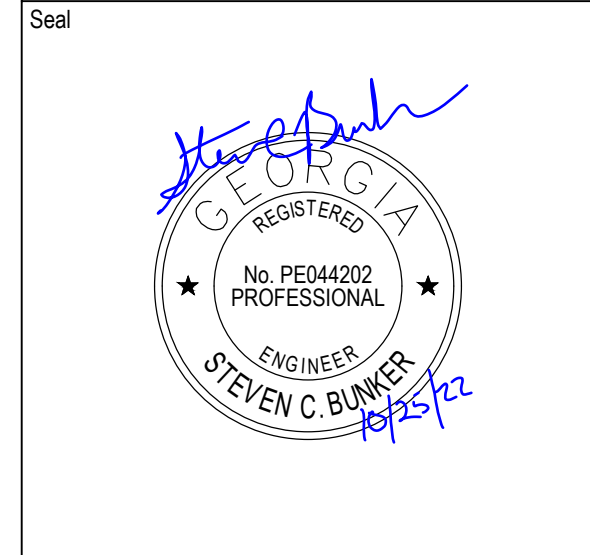
1. When encountered due to site grading and other preparations, demolish existing underground electrical on the site according to specifications.

Keynotes #

1. Demolish existing pole light and associated foundation and underground circuitry.
2. Approximate location of demolished electrical service formerly serving site.
3. Approximate location of abandoned water well pump. Demolish electrical according to specifications.



Axia Consulting Group, LLC
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 Watkinsville, GA 30677
 706-389-0868
 info@axiagr.com
 GA COA: PEF007950
 Exp: 30 June 2024



Client
City of Hinesville

Liberty County, Georgia

Project
**Southside Park
 for the
 City of Hinesville**

Liberty County, Georgia
 Axia Project Number: 2126

Revisions	Description	Date
1	Permit Set	16 May 2022

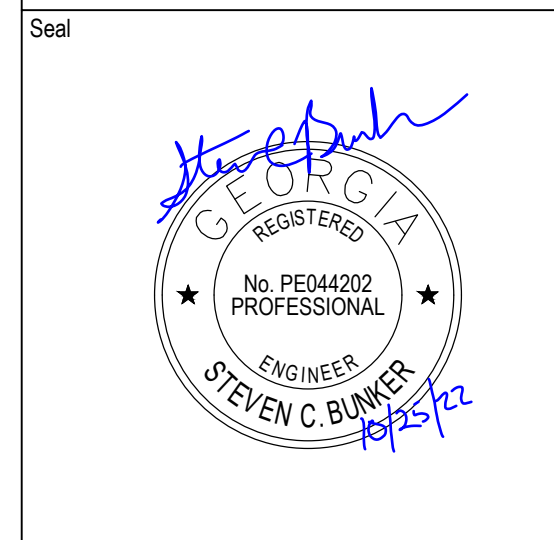
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Issue Date
 16 May 2022

Sheet Title
Demolition Plan

Sheet Number
ED1.1

1 Electrical Demolition Site Plan
 1" = 30'



Client
City of Hinesville

Liberty County, Georgia

Project
**Southside Park
 for the
 City of Hinesville**

Liberty County, Georgia
 Axia Project Number: 2126

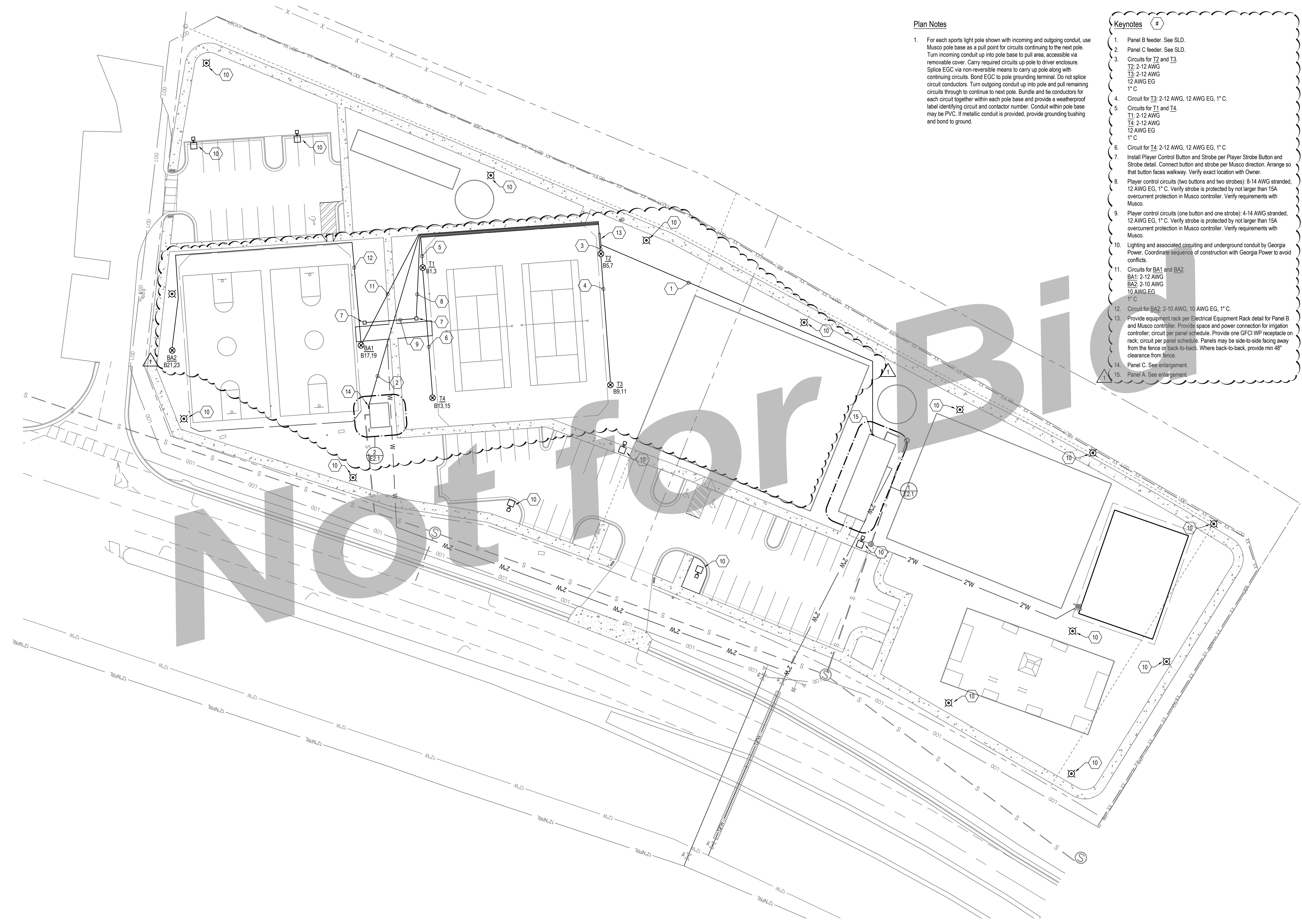
#	Description	Date
-	Permit Set	16 May 2022
1	Revision 1	25 October 2022

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Issue Date
 16 May 2022

Sheet Title
Site Plan

Sheet Number
E1.1



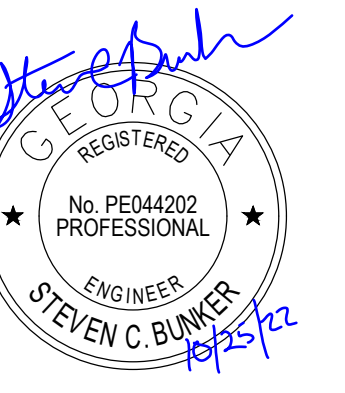
Plan Notes

- For each sports light pole shown with incoming and outgoing conduit, use Musco pole base as a pull point for circuits continuing to the next pole. Turn incoming conduit up into pole base to pull area, accessible via removable cover. Carry required circuits up pole to driver enclosure. Splice EGC via non-reversible means to carry up pole along with continuing circuits. Bond EGC to pole grounding terminal. Do not splice circuit conductors. Turn outgoing conduit up into pole and pull remaining circuits through to continue to next pole. Bundle and tie conductors for each circuit together within each pole base and provide a weatherproof label identifying circuit and conductor number. Conduit within pole base may be PVC. If metallic conduit is provided, provide grounding bushing and bond to ground.

Keynotes

- Panel B feeder. See SLD.
- Panel C feeder. See SLD.
- Circuits for T2 and T3.
 T2: 2-12 AWG
 T3: 2-12 AWG
 12 AWG EGC
 1" C
- Circuit for T3: 2-12 AWG, 12 AWG EGC, 1" C.
- Circuits for T1 and T4.
 T1: 2-12 AWG
 T4: 2-12 AWG
 12 AWG EGC
 1" C
- Circuit for T4: 2-12 AWG, 12 AWG EGC, 1" C
- Install Player Control Button and Strobe per Player Strobe Button and Strobe detail. Connect button and strobe per Musco direction. Arrange so that button faces walkway. Verify exact location with Owner.
- Player control circuits (two buttons and two strobes): 8-14 AWG stranded, 12 AWG EGC, 1" C. Verify strobe is protected by not larger than 15A overcurrent protection in Musco controller. Verify requirements with Musco.
- Player control circuits (one button and one strobe): 4-14 AWG stranded, 12 AWG EGC, 1" C. Verify strobe is protected by not larger than 15A overcurrent protection in Musco controller. Verify requirements with Musco.
- Lighting and associated circuiting and underground conduit by Georgia Power. Coordinate sequence of construction with Georgia Power to avoid conflicts.
- Circuits for BA1 and BA2.
 BA1: 2-12 AWG
 BA2: 2-10 AWG
 10 AWG EGC
 1" C
- Circuit for BA2: 2-10 AWG, 10 AWG EGC, 1" C.
- Provide equipment rack per Electrical Equipment Rack detail for Panel B and Musco controller. Provide space and power connection for irrigation controller; circuit per panel schedule. Provide one GFCI WP receptacle on rack; circuit per panel schedule. Panels may be side-to-side facing away from the fence or back-to-back. Where back-to-back, provide min 48" clearance from fence.
- Panel C. See enlargement.
- Panel A. See enlargement.

1 Electrical Site Plan
 1" = 30'



Client
City of Hinesville

Liberty County, Georgia

Project
**Southside Park
 for the
 City of Hinesville**

Liberty County, Georgia
 Axia Project Number: 2126

#	Description	Date
-	Permit Set	16 May 2022
1	Revision 1	25 October 2022

This square will appear 1/2" x 1/2" on full size 24"x36" sheets.

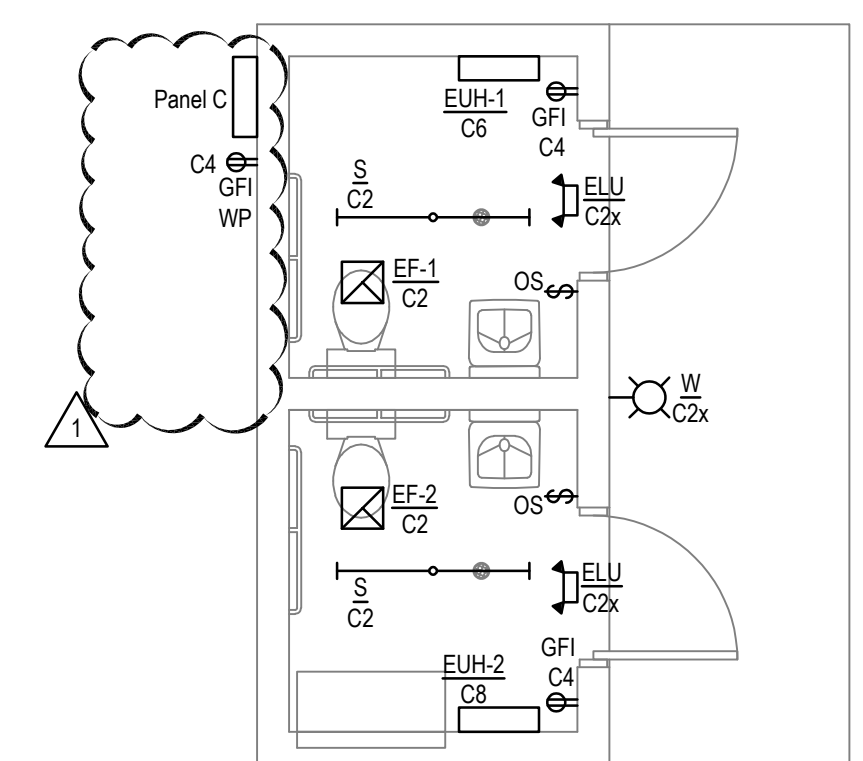
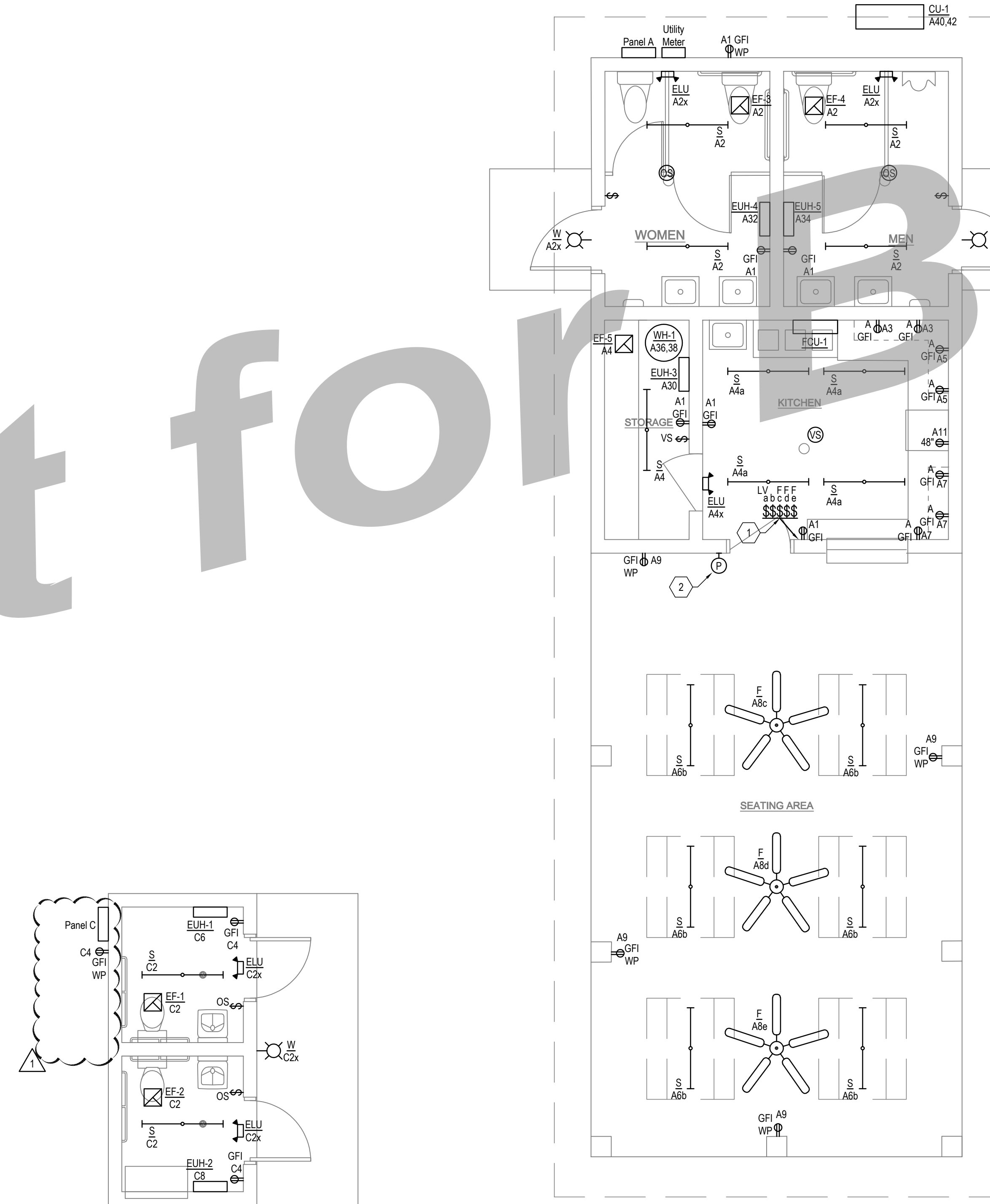
Issue Date
 16 May 2022

Sheet Title
 Enlargements

Sheet Number
E2.1

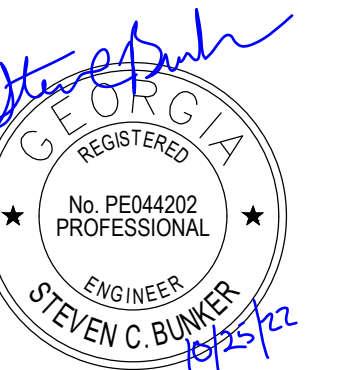
Not for Bid

- Pavilion Plan Keynotes** #
1. Locate switches on wall beside door as shown. Gang fan control switches c, d, and e together above the light switches a and b.
 2. Provide photocell where shown, beneath canopy. Circuit Type S fixtures beneath pavilion through photocell for dusk-to-dawn operation with an override-off switch.



2 Restroom Floor Plan - Electrical
 1/4" = 1"

1 Pavilion Floor Plan - Electrical
 1/4" = 1"



Client
City of Hinesville

Project
Southside Park for the City of Hinesville

Liberty County, Georgia
Axia Project Number: 2126

#	Description	Date
1	Permit Set	16 May 2022
1	Revision 1	25 October 2022

Panelboard: A
Location: Pavilion
Mounting: Surface
Enclosure: NEMA3R
Special: -

Supply: Utility
Voltage: 240/120V 1Ø 3W
Bus Amps: 400 A
Neutral: 100%

Poles: 42
Feed-Thru Lugs: No
SE-Rated: Yes
Isolated Ground: No
New/Existing: -

Mains Type: MCB
Mains Rating: 400 A
Mains FN/Note: -
SCCR: 22 kAIC

CKT	Description	Tripp (A)	Poles	FN/Note	Load (kVA)	Phase	Load (kVA)	FN/Note	Poles	Tripp (A)	Description	CKT
1	Rec Restrooms, Storage, Kitchen	20	1	-	1.08	A A	0.28	-	1	20	Lbs. Fans Restrooms	2
3	Rec Kitchen Counter	20	1	-	0.36	B B	0.20	-	1	20	Lbs. Fans Kitchen, Storage	4
5	Rec Kitchen Counter	20	1	-	0.36	A A	0.20	-	1	20	Lbs. Pavilion	6
7	Rec Kitchen Counter	20	1	-	0.54	B B	0.90	-	1	20	Paddle Fans	8
9	Rec Pavilion	20	1	-	0.72	A A	0.00	-	1	20	Spare	10
11	Rec Refrigerator	20	1	-	0.50	B B	0.00	-	1	20	Spare	12
13	Range	50	2	G, 1	5.00	A A	0.00	-	1	20	Spare	14
15	Spare	20	1	-	5.00	B B	0.00	-	1	20	Spare	16
17	Spare	20	1	-	0.00	A A	0.00	-	1	20	Spare	18
19	Spare	20	1	-	0.00	B B	0.00	-	1	20	Spare	20
21	Spare	20	1	-	0.00	A A	0.00	-	1	20	Spare	22
23	Spare	20	1	-	0.00	B B	0.00	-	1	20	Spare	24
25	Spare	20	1	-	0.00	A A	0.00	-	1	20	Spare	26
27	Spare	20	1	-	0.00	B B	0.00	-	1	20	Spare	28
29	Spare	20	1	-	0.00	A A	1.50	-	1	20	EUH - 3	30
31	Spare	20	1	-	0.00	B B	1.50	-	1	20	EUH - 4	32
33	Spare	20	1	-	0.00	A A	1.50	-	1	20	EUH - 5	34
35	Spare	20	1	-	0.00	B B	3.00	-	2	35	EVH - 1	36
37	Spare	20	1	-	0.00	A A	3.00	-	2	35	EUH - 1	38
39	Spare	20	1	-	6.36	B B	1.15	-	2	15	CU - 1	40
41	Panel B	100	2	-	6.16	A A	1.15	-	2	15	CU - 1	42

Load Classification	Connected (kVA)		Factor	Demand (kVA)	
	A	B		A	B
Lighting	5.16	5.12	125%	6.45	6.40
Receptacle - General	2.34	1.44	NEC	2.34	1.44
Receptacle - Dedicated	0.00	0.50	100%	0.00	0.50
Water Heating	3.00	3.00	125%	3.75	3.75
HVAC	0.00	0.00	100%	0.00	0.00
Electric Heat	5.85	4.15	125%	7.06	5.19
Other	5.00	5.10	100%	5.00	5.10

Phase Totals	Connected Load (kVA)		Connected Current (A)	Demand Load (kVA)		Demand Current (A)
	A	B		A	B	
Connected Load (kVA)	21.2	19.3	176	161	205	188
Connected Current (A)	53	51	24.6	22.4	20.5	18.8
Demand Load (kVA)	40.5	37.0	169	154	196	184
Demand Current (A)	94.0	86.0	44.0	40.0	44.0	40.0

Notes:
1. Provision for future range.

Panelboard: B
Location: Tennis Courts
Mounting: Surface
Enclosure: NEMA3R
Special: -

Supply: Panel A
Voltage: 240/120V 1Ø 3W
Bus Amps: 100 A
Neutral: 100%

Poles: 30
Feed-Thru Lugs: No
SE-Rated: No
Isolated Ground: No
New/Existing: -

Mains Type: MCB
Mains Rating: 100 A
Mains FN/Note: -
SCCR: 10 kAIC

CKT	Description	Tripp (A)	Poles	FN/Note	Load (kVA)	Phase	Load (kVA)	FN/Note	Poles	Tripp (A)	Description	CKT
1	Musco Pole T1 thru Contactor C1	15	2	-	0.59	A A	0.18	-	1	20	Receptacle	2
3		15	2	-	0.59	B B	0.10	-	1	20	Irrigation	4
5	Musco Pole T2 thru Contactor C2	15	2	-	0.59	A A	0.00	-	1	20	Spare	6
7		15	2	-	0.59	B B	0.00	-	1	20	Spare	8
9	Musco Pole T3 thru Contactor C3	15	2	-	0.59	A A	0.00	-	1	20	Spare	10
11		15	2	-	0.59	B B	0.00	-	1	20	Spare	12
13	Musco Pole T4 thru Contactor C4	15	2	-	0.59	A A	0.00	-	1	20	Spare	14
15		15	2	-	0.59	B B	0.00	-	1	20	Spare	16
17	Musco Pole BA1 thru Contactor C5	15	2	-	0.83	A A	0.00	-	1	20	Spare	18
19		15	2	-	0.83	B B	0.00	-	1	20	Spare	20
21	Musco Pole BA2 thru Contactor C6	15	2	-	0.83	A A	0.00	-	1	20	Spare	22
23		15	2	-	0.83	B B	0.00	-	1	20	Spare	24
25	Musco Lighting Controller	20	1	-	0.50	A A	0.00	-	1	20	Spare	26
27		20	1	-	0.00	B B	1.66	-	2	40	Panel C	28
29	Spare	20	1	-	0.00	A A	2.04	-	2	40	Spare	30

Load Classification	Connected (kVA)		Factor	Demand (kVA)	
	A	B		A	B
Receptacle - General	0.18	0.54	NEC	0.18	0.54
Lighting	4.68	4.02	125%	5.85	5.03
Electric Heat	1.50	1.50	125%	1.88	1.88
Other	0.00	0.10	100%	0.00	0.10

Phase Totals	Connected Load (kVA)		Connected Current (A)	Demand Load (kVA)		Demand Current (A)
	A	B		A	B	
Connected Load (kVA)	6.4	6.2	52	52	64	63
Connected Current (A)	15.4	15.4	15.4	15.4	15.4	15.4
Demand Load (kVA)	7.9	7.5	66	63	66	63
Demand Current (A)	17.6	17.6	17.6	17.6	17.6	17.6

Notes:

Panelboard: C
Location: Restrooms
Mounting: Surface
Enclosure: NEMA3R
Special: -

Supply: Panel B
Voltage: 240/120V 1Ø 3W
Bus Amps: 100 A
Neutral: 100%

Poles: 18
Feed-Thru Lugs: No
SE-Rated: No
Isolated Ground: No
New/Existing: -

Mains Type: MCB
Mains Rating: 40 A
Mains FN/Note: -
SCCR: 10 kAIC

CKT	Description	Tripp (A)	Poles	FN/Note	Load (kVA)	Phase	Load (kVA)	FN/Note	Poles	Tripp (A)	Description	CKT
1	Main Breaker	40	2	-	0.00	A A	0.16	-	1	20	Lbs. Fans Restrooms	2
3		40	2	-	0.00	B B	0.54	-	1	20	Rec Restrooms	4
5	Spare	20	1	-	0.00	A A	1.50	-	1	20	EUH - 1	6
7	Spare	20	1	-	0.00	B B	1.50	-	1	20	EUH - 2	8
9	Spare	20	1	-	0.00	A A	0.00	-	1	20	Spare	10
11	Spare	20	1	-	0.00	B B	0.00	-	1	20	Spare	12
13	Spare	20	1	-	0.00	A A	0.00	-	1	20	Spare	14
15	Spare	20	1	-	0.00	B B	0.00	-	1	20	Spare	16
17	Spare	20	1	-	0.00	A A	0.00	-	1	20	Spare	18

Load Classification	Connected (kVA)		Factor	Demand (kVA)	
	A	B		A	B
Receptacle - General	0.00	0.54	NEC	0.00	0.54
Lighting	0.16	0.00	125%	0.20	0.00
Electric Heat	1.50	1.50	125%	1.88	1.88

Phase Totals	Connected Load (kVA)		Connected Current (A)	Demand Load (kVA)		Demand Current (A)
	A	B		A	B	
Connected Load (kVA)	1.7	2.0	17	20	17	20
Connected Current (A)	14	17	14	17	14	17
Demand Load (kVA)	2.1	2.4	17	20	17	20
Demand Current (A)	17	20	17	20	17	20

Panel Totals	Connected Load (kVA)		Connected Current (A)	Demand Load (kVA)		Demand Current (A)
	A	B		A	B	
Connected Load (kVA)	3.7	3.7	15	15	4.5	4.5
Connected Current (A)	19	19	19	19	19	19
Demand Load (kVA)	4.5	4.5	19	19	19	19
Demand Current (A)	19	19	19	19	19	19

Notes:

Equipment Connection Schedule

ID	Description	Volts	Phase	Load (kVA)	FLA	MCA	OCP (A)	Disconnect				Conductors			Notes
								Type	Enclosure	Provided By	Phase	Neutral	EGC	Conduit	
CU-1	Condensing Unit	230	1	2.3	10	10	15	2P-30A Unfused	NEMA3R	Elec	2-12 AWG	-	12 AWG	3/4"	Powered from CU-1. Load included in CU-1 load.
FCU-1	Fan Coil Unit	230	1	-	-	-	-	M	NEMA1	Elec	2-12 AWG	-	12 AWG	3/4"	
EF-1	Exhaust Fan	120	1	0.04	0.3	0.3	20	Lts	-	Elec	1-12 AWG	1-12 AWG	12 AWG	3/4"	
EF-2	Exhaust Fan	120	1	0.04	0.3	0.3	20	Lts	-	Elec	1-12 AWG	1-12 AWG	12 AWG	3/4"	
EF-3	Exhaust Fan	120	1	0.06	0.5	0.5	20	Lts	-	Elec	1-12 AWG	1-12 AWG	12 AWG	3/4"	
EF-4	Exhaust Fan	120	1	0.06	0.5	0.5	20	Lts	-	Elec	1-12 AWG	1-12 AWG	12 AWG	3/4"	
EF-5	Exhaust Fan	120	1	0.04	0.3	0.3	20	M	NEMA1	Elec	1-12 AWG	1-12 AWG	12 AWG	3/4"	
UH-1	Electric Unit Heater	120	1	1.5	13	16	20	Integral	-	Mech	1-12 AWG	1-12 AWG	12 AWG	3/4"	
UH-2	Electric Unit Heater	120	1	1.5	13	16	20	Integral	-	Mech	1-12 AWG	1-12 AWG	12 AWG	3/4"	
UH-3	Electric Unit Heater	120	1	1.5	13	16	20	Integral	-	Mech	1-12 AWG	1-12 AWG	12 AWG	3/4"	
UH-4	Electric Unit Heater	120	1	1.5	13	16	20	Integral	-	Mech	1-12 AWG	1-12 AWG	12 AWG	3/4"	
UH-5	Electric Unit Heater	120	1	1.5	13	16	20	Integral	-	Mech	1-12 AWG	1-12 AWG	12 AWG	3/4"	
WH-1	Electric Water Heater	240	2	6.0	25	31	35	2P-60A Unfused	NEMA1	Elec	2-8 AWG	-	10 AWG	3/4"	

Notes:
1. Prior to installation, verify specifications and requirements for each equipment in this schedule with submittals and mechanical contractor. Prior to final connection, compare the installed equipment nameplate with the information in this schedule. Notify engineer of discrepancies.
2. The "OCP" column indicates disconnect fuse size and breaker size for branch circuit from panel.
3. Disconnect Type Codes:
Where only poles and amps are specified, provide safety switch, fused or unfused as indicated. Locate beside or on unit, or as indicated on the plans.
M: Motor-rated toggle switch. Locate on or beside equipment, or as indicated on the plans.
L: Branch overcurrent protective device lockable per NEC 110.25.
Lts: Exhaust fan to be switched with the lighting in the same room, controlled by the light switch or other lighting control, on the same circuit as lights, UNO.
Integral: Code-compliant disconnecting means is integral to the equipment or factory-installed by the equipment manufacturer. Verify presence of integral disconnect.
PSC: Switch-rated pin-and-sleeve connector. Plug shall be capable of accepting a padlock, complying with NEC 110.25. Meltric DS-series or equal.

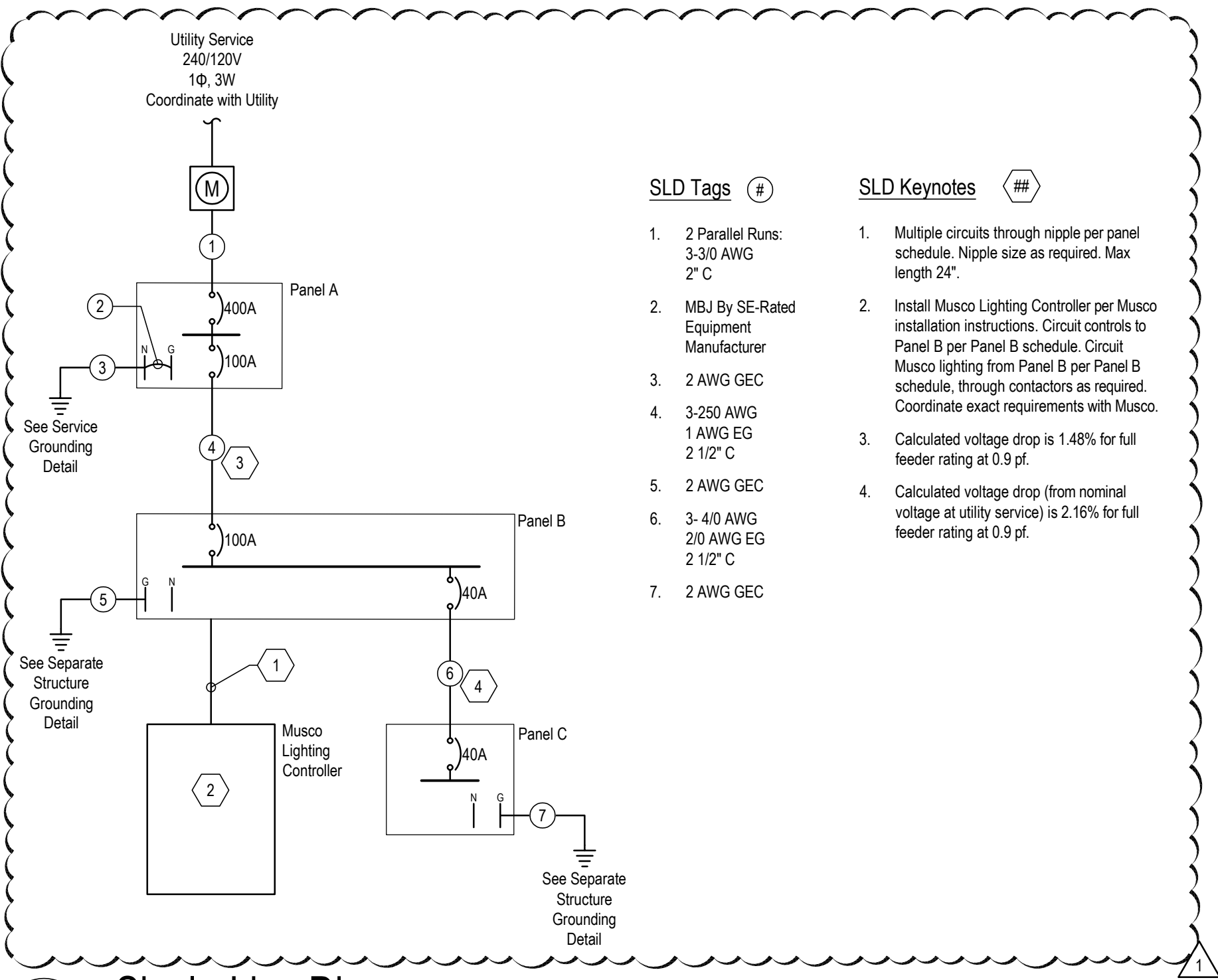
Breaker Function Schedule

The "Circuit Note / FN" fields in the panel schedules indicates notes, breaker functions, or other information for the circuit, panel, or breaker. Codes are identified below. Codes are intended as a design documentation aid only, including former circuit designations in (braces); do not include in field-applied circuit directories.

- # For any number, see panel schedule footer note.
- A Arc-Fault Interrupter (AFCI) Protection
- AR Arc Energy Reduction Maintenance Switch
- D Demolished circuit (now Spare or Space) (former circuit in braces)
- E Existing-to-remain circuit
- EM Provide identification per NEC 700.12(1)(2)(4)
- G Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
- GF Adjustable Ground-Fault Protection for Equipment
- GE Ground-Fault Protection for Equipment (30 mA)
- H Breaker hasp to prevent unintentional opening
- L Lockable open according to NEC 110.25
- LSI Long-Time, Short-Time, Instantaneous Adjustments
- LSIG Long-Time, Short-Time, Instantaneous, Ground-Fault Adjustments
- N New circuit (in existing panel, previously spare or space)
- NR New circuit to replace existing circuit (former circuit in braces)
- NB New breaker to replace existing breaker or space (new trip rating shown)
- R Relocated circuit
- S Switch-rated per NEC 240.83(D)

Distribution and SLD

1. Electrical service shall be 240/120V 1Ø 3W. Apply for new electrical service for the owner. All costs associated with new electrical service shall be paid by the contractor. Coordinate with the utility for transformer location, metering requirements, and service routing.
2. Design assumes an available fault current not exceeding 22,000 amps. Prior to submitting shop drawings, contact the electric utility company and obtain in writing the maximum available fault current at the utility service point. Submit this documentation to the engineer along with equipment submittal. Provide max AFC signage as required per NEC 110.24 and 409.22.
3. Provide arc-flash hazard warning labels for equipment affected by this project per NEC 110.16.
4. Label service disconnect per NEC 230.70(B).
5. UNO, series combination ratings shall not be acceptable.
6. UNO, outdoor enclosures shall be NEMA 3R.

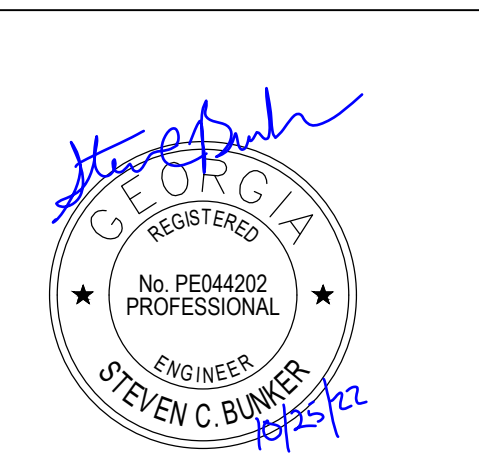


Single-Line Diagram

Issue Date
16 May 2022

Sheet Title
Single Line Diagram and Schedules

Sheet Number
E3.1



City of Hinesville

Liberty County, Georgia

Southside Park
 for the
 City of Hinesville

Liberty County, Georgia
 Axia Project Number: 2126

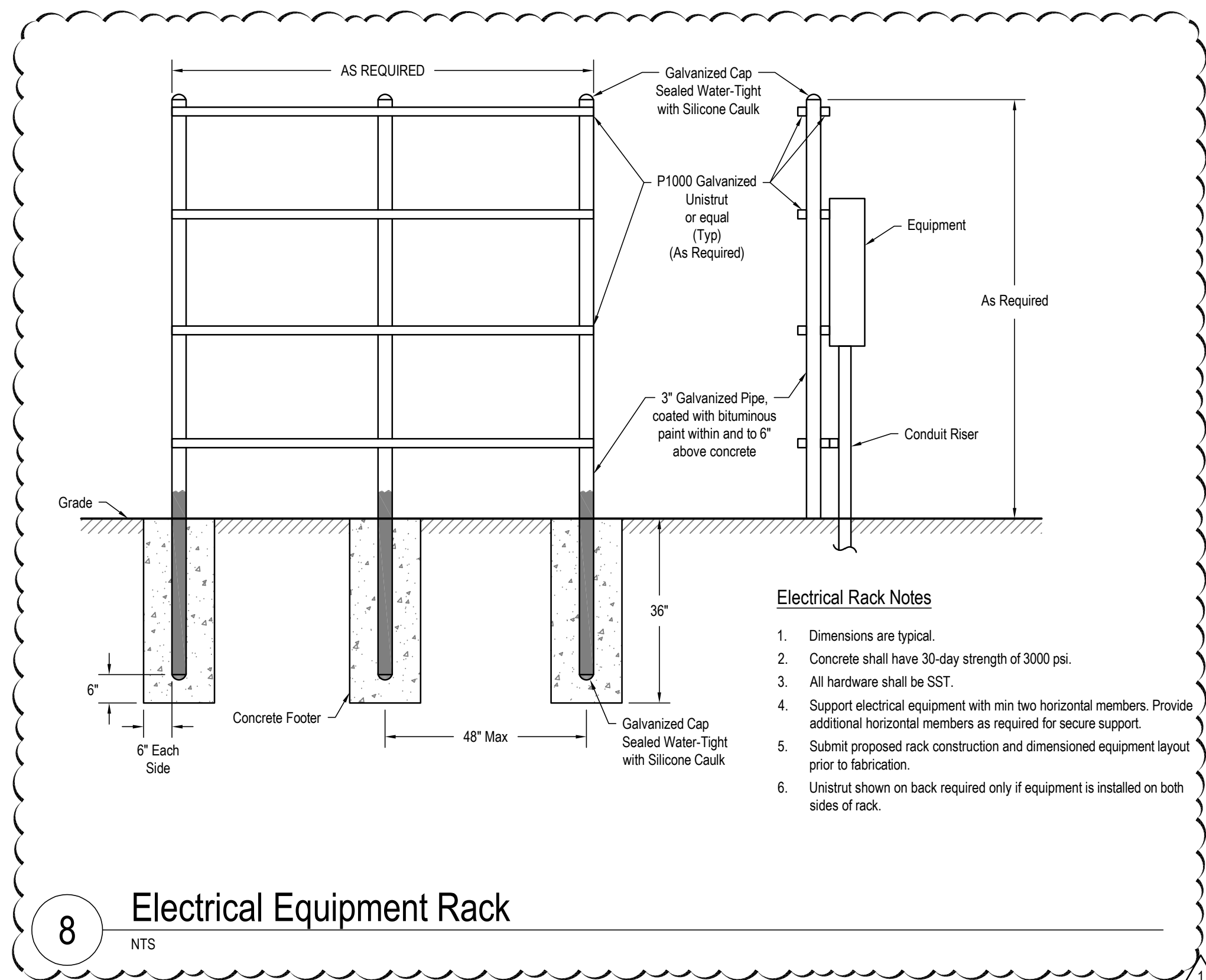
Revisions	Description	Date
1	Permit Set	16 May 2022
1	Revision 1	25 October 2022

This square will appear 12" x 12" on full size 24"x36" sheets.

Issue Date: 16 May 2022

Sheet Title: Details

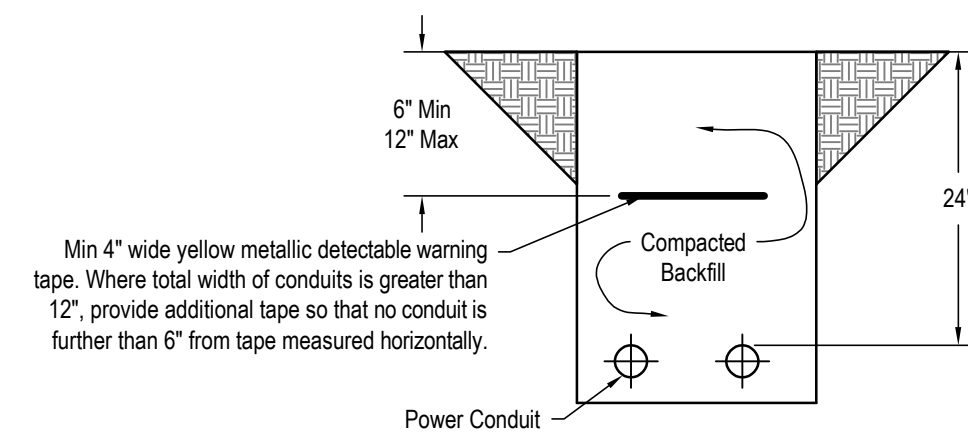
Sheet Number: E4.1



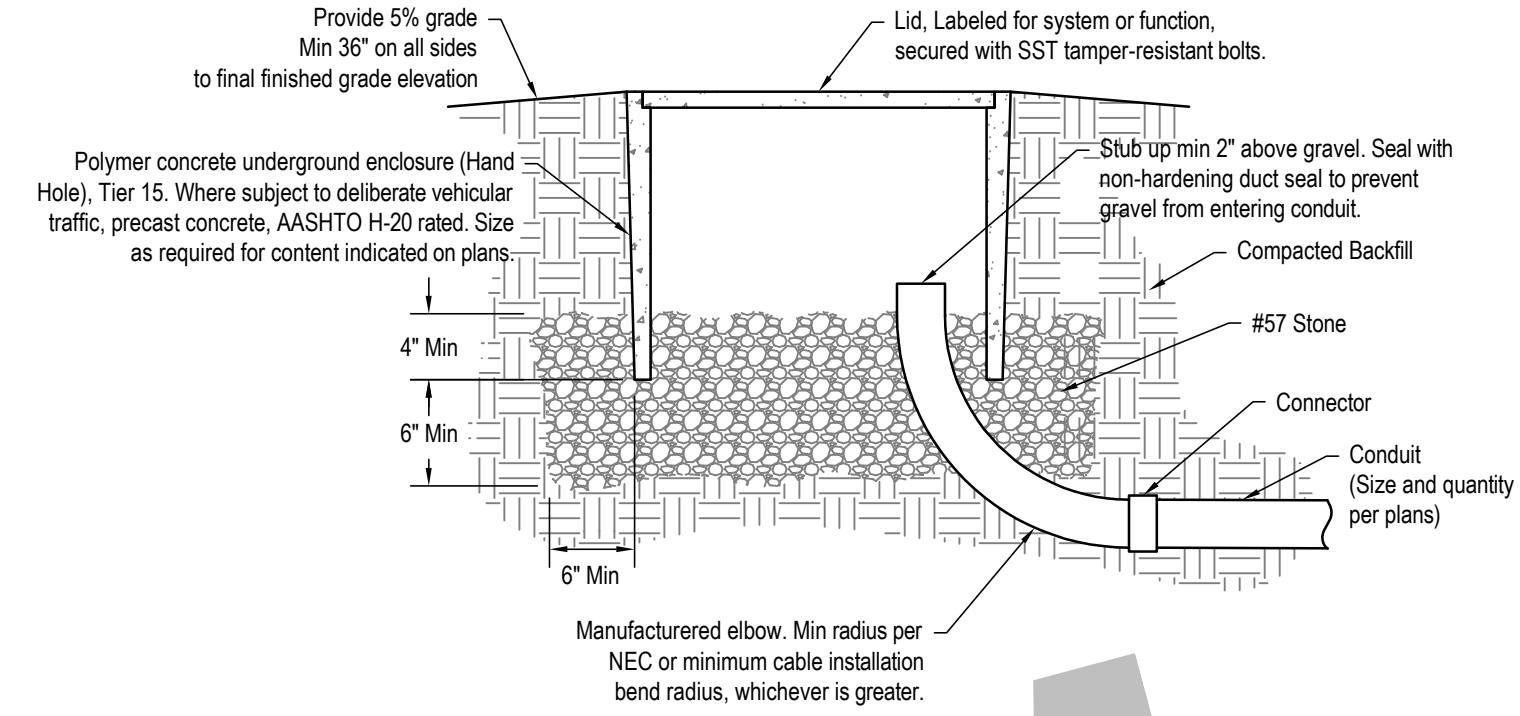
Electrical Rack Notes

1. Dimensions are typical.
2. Concrete shall have 30-day strength of 3000 psi.
3. All hardware shall be SST.
4. Support electrical equipment with min two horizontal members. Provide additional horizontal members as required for secure support.
5. Submit proposed rack construction and dimensioned equipment layout prior to fabrication.
6. Unistrut shown on back required only if equipment is installed on both sides of rack.

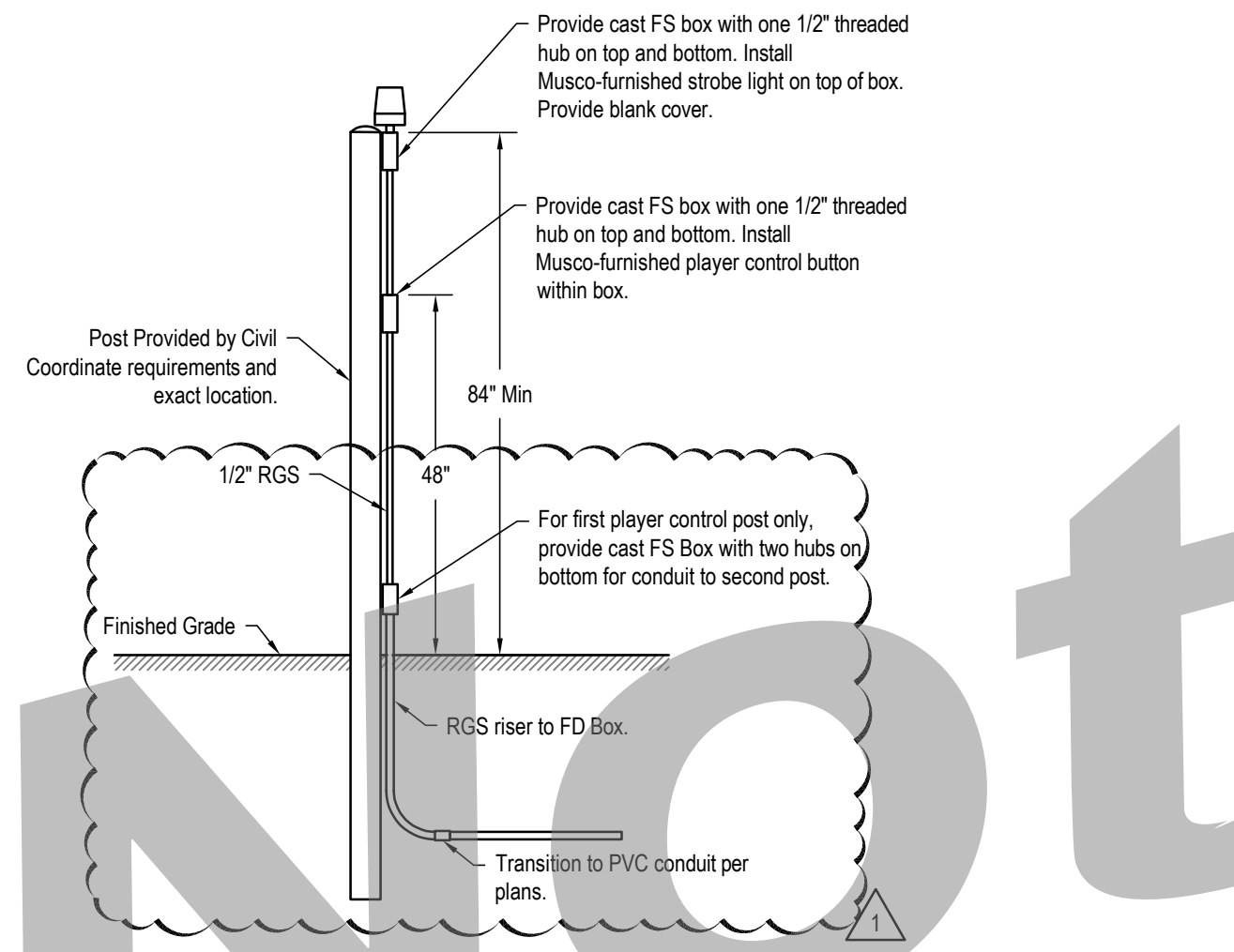
8 Electrical Equipment Rack
 NTS



7 Conduit Trench
 NTS



6 Hand Hole
 NTS

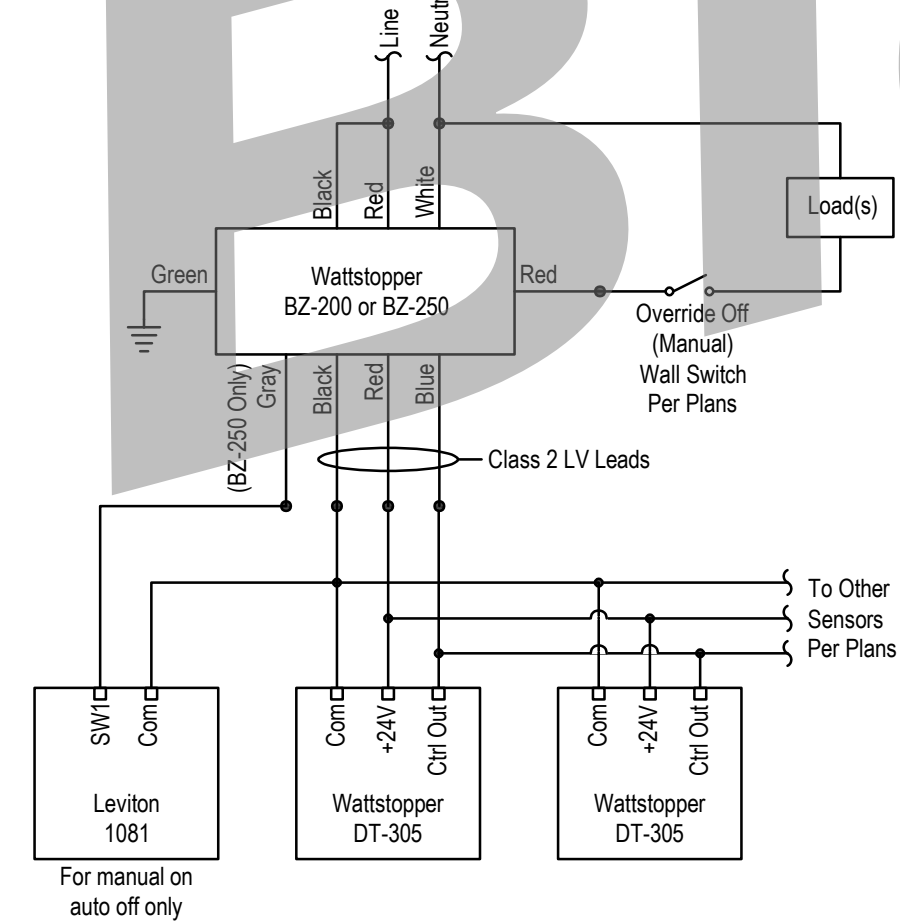


5 Player Control Button and Strobe
 NTS

Notes

1. Configure the switch as follows unless the Owner directs otherwise or system commissioning indicates otherwise.
 - 1.1. Manual On or Auto On as indicated on the drawings. Where drawings indicate Manual On, neither the Owner nor commissioning agent may change the configuration without prior approval from the Engineer or AHJ.
 - 1.2. Time delay: 30 minutes (Maximum).
 - 1.3. Walk-Through Mode: On
 - 1.4. Sensitivity: High
 - 1.5. Audible Alerts: On
 - 1.6. Trigger Mode: Both/Neither/Neither
2. Where the drawings indicate multiple switches to control the same loads, see manufacturer's installation instructions for Multi-Way wiring.
3. Where drawings indicate for switch to control motor loads such as exhaust fans, switch shall be rated for motor loads.
4. Diagrams shown are for reference only. Connect all system components according to the manufacturer's written instructions.
5. Manufacturers or models may be substituted for those indicated where specifications, functions, and configurations are equivalent to the basis-of-design manufacturer. Connect system components and loads as directed by the manufacturer. Requirements of Division 26 specifications shall supersede requirements suggested by this detail.
6. Test lighting controls per applicable building code (GA: IECC 408.3) to ensure control devices, components, equipment, systems, and sequences of operation are calibrated, adjusted, and operate in accordance with approved plans and specifications. Submit documentation of each test performed for each control system.

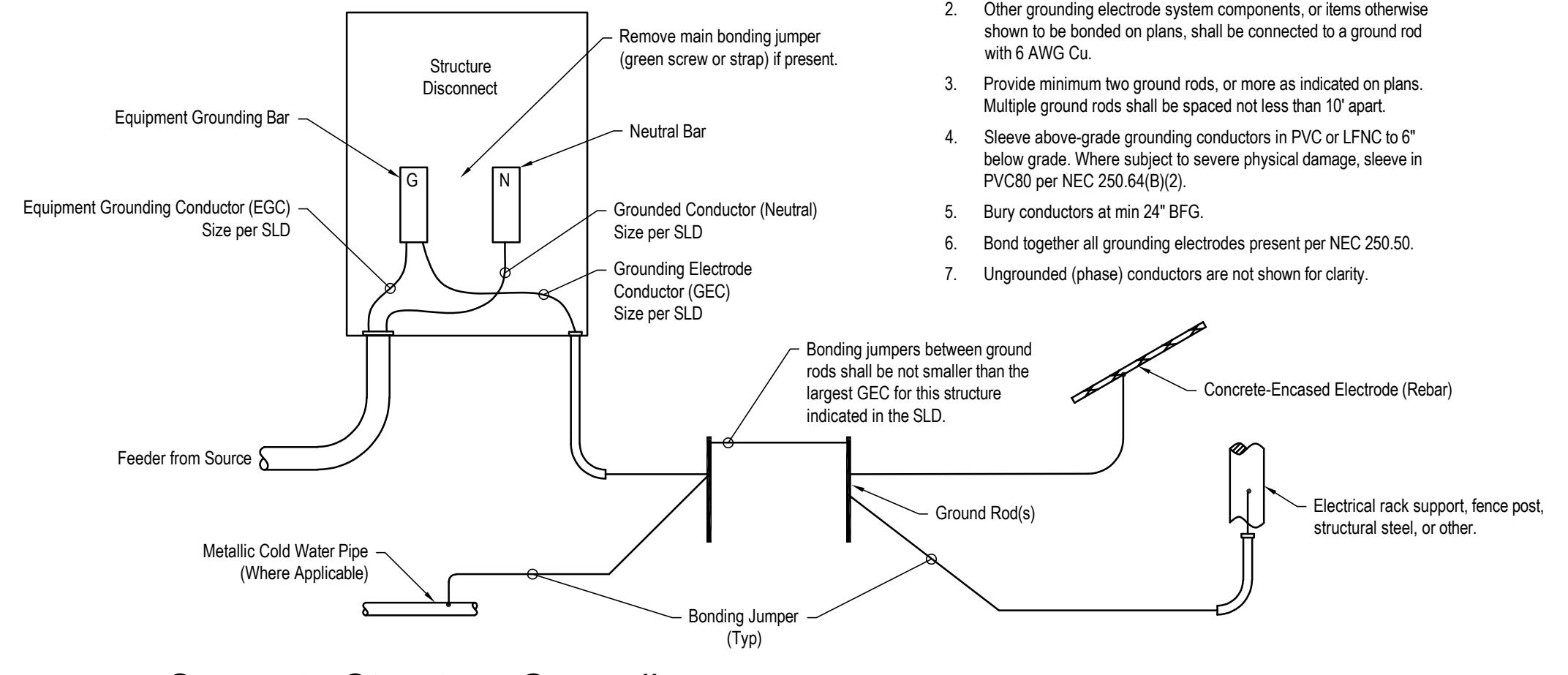
4 Occupancy Sensing Wall Switch - No Dimming
 None



3 Occupancy Sensing Lighting Control - No Dimming
 None

Separate Structure Grounding Notes

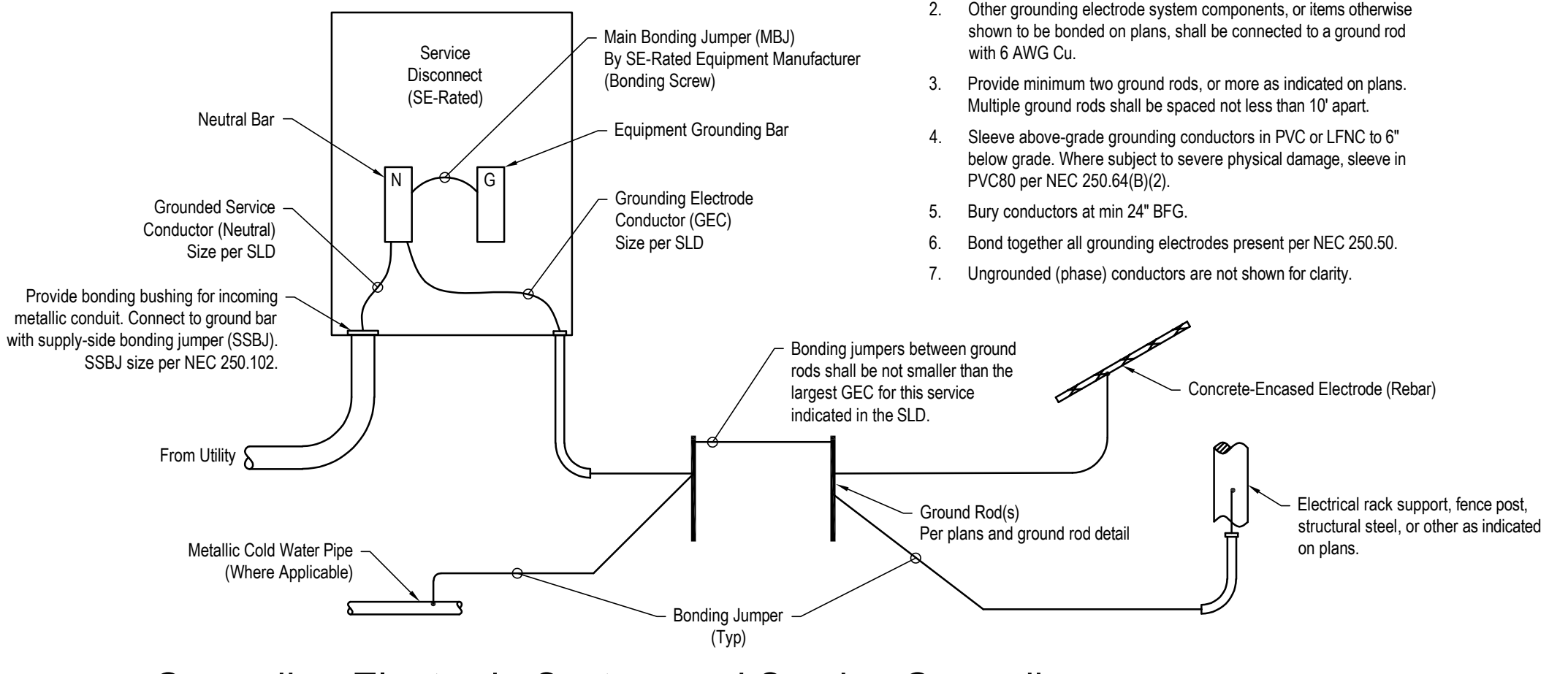
1. Each grounding electrode conductor (GEC) shall be sized per the SLD and shall connect directly to a ground rod or a bonding jumper connecting ground rods sized per the largest GEC. Do not connect to other components of the grounding electrode system.
2. Other grounding electrode system components, or items otherwise shown to be bonded on plans, shall be connected to a ground rod with 6 AWG Cu.
3. Provide minimum two ground rods, or more as indicated on plans. Multiple ground rods shall be spaced not less than 10' apart.
4. Sleeve above-grade grounding conductors in PVC or LFNC to 6" below grade. Where subject to severe physical damage, sleeve in PVC80 per NEC 250.64(B)(2).
5. Bury conductors at min 24" BFG.
6. Bond together all grounding electrodes present per NEC 250.50.
7. Ungrounded (phase) conductors are not shown for clarity.



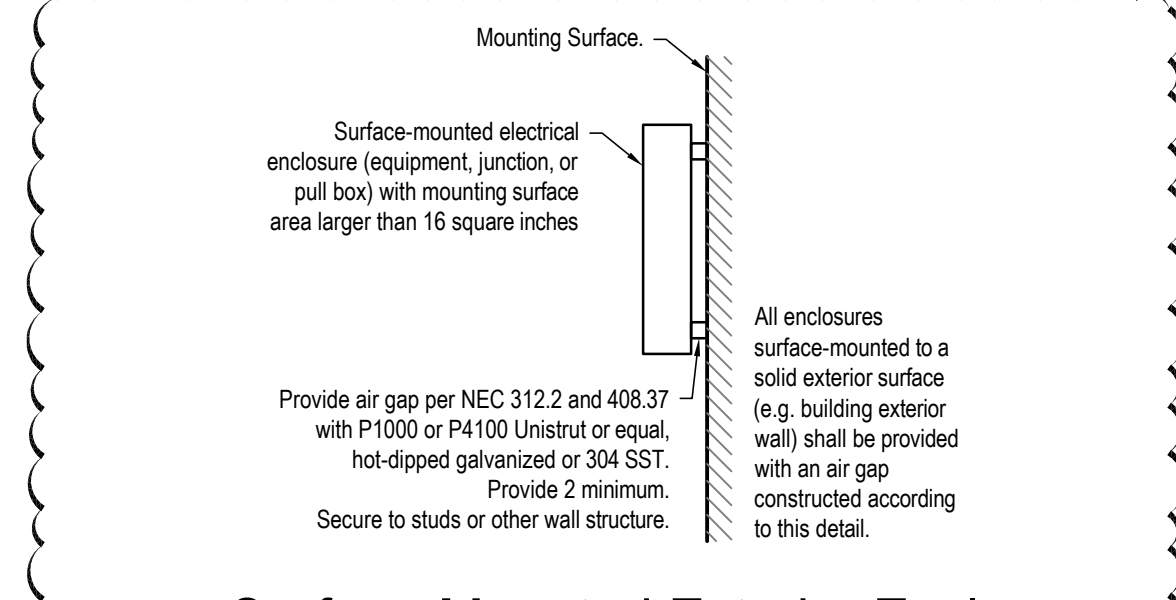
2 Separate Structure Grounding
 NTS

Service Grounding Notes

1. Each grounding electrode conductor (GEC) shall be sized per the SLD and shall connect directly to a ground rod or a bonding jumper connecting ground rods sized per the largest GEC. Do not connect to other components of the grounding electrode system.
2. Other grounding electrode system components, or items otherwise shown to be bonded on plans, shall be connected to a ground rod with 6 AWG Cu.
3. Provide minimum two ground rods, or more as indicated on plans. Multiple ground rods shall be spaced not less than 10' apart.
4. Sleeve above-grade grounding conductors in PVC or LFNC to 6" below grade. Where subject to severe physical damage, sleeve in PVC80 per NEC 250.64(B)(2).
5. Bury conductors at min 24" BFG.
6. Bond together all grounding electrodes present per NEC 250.50.
7. Ungrounded (phase) conductors are not shown for clarity.



1 Grounding Electrode System and Service Grounding
 NTS



9 Surface-Mounted Exterior Enclosures
 NTS

Not for Bid

GENERAL MECHANICAL NOTES

- ALL WORK SHALL COMPLY WITH THE CURRENT APPLICABLE EDITION OF THE INTERNATIONAL BUILDING CODES (IBC), NATIONAL ELECTRICAL CODE (NEC 2020 UNLESS OTHERWISE ACCEPTED BY AHJ), AND ALL FEDERAL, STATE, AND LOCAL LAWS, CODES AND ORDINANCES.
- NO WORK SHALL BE CONCEALED UNTIL AFTER INSPECTION AND APPROVAL. IF WORK IS CONCEALED PRIOR TO APPROVAL, CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF ALL WORK REQUIRED TO EXPOSE AND RESTORE THE CONCEALED WORK IN ADDITION TO ANY REQUIRED MODIFICATIONS.
- COORDINATE ALL WORK TO AVOID CONFLICT WITH EXISTING UTILITIES.
- DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY ONE TO THE OTHER, AND WHAT IS CALLED FOR BY ONE SHALL BE BINDING AS IF CALLED FOR BY BOTH. IN EVENT THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE LIMITING OR HIGHER QUALITY OF WORK SHALL GOVERN.
- ACCURACY OF DIMENSIONING ON DRAWINGS CANNOT BE GUARANTEED. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS, AND PROCUREMENT OF ANY EQUIPMENT BASED UPON THESE DIMENSIONS.
- ALL MATERIALS INDICATED TO BE DEMOLISHED SHALL BE DISCONNECTED AND REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS OTHERWISE NOTED. ALL DEMOLISHED EQUIPMENT SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL STATE, AND LOCAL LAWS, CODES AND ORDINANCES.
- ALL EQUIPMENT SHALL BE NEW AND APPROVED (PER NEC) FOR THEIR INTENDED USE, UNLESS OTHERWISE SPECIFICALLY NOTED.
- ONLY QUALITY WORKMANSHIP WILL BE ACCEPTED IN ACCORDANCE WITH STANDARDS OF THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION. HAPHAZARD OR POOR INSTALLATION WILL BE CAUSE FOR REJECTION OF WORK.
- MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF EQUIPMENT ARE HEREBY INCLUDED WITHIN THESE SPECIFICATIONS AS A REQUIREMENT OF THE WORK.
- CONTRACTOR SHALL STORE EQUIPMENT SUCH THAT INSTALLED EQUIPMENT WILL BE IN NEW CONDITION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CONDITION AND SAFEKEEPING OF MATERIALS UNTIL THE FINAL INSTALLATION HAS BEEN INSPECTED AND ACCEPTED. EQUIPMENT THAT IS RUSTED OR IN OTHERWISE DAMAGED CONDITION WILL BE CAUSE FOR REJECTION OF WORK.
- PROVIDE FINAL CONNECTIONS TO EQUIPMENT INSTALLED UNDER OTHER DIVISIONS AS PART OF THE WORK.
- THE ENGINEER AND OWNER RESERVE THE RIGHT TO INSPECT AND TEST ANY PORTION OF THE WORK DURING THE PROGRESS OF ITS ERECTION.
- REMOVE ALL UNUSED MATERIAL AND SCRAP RELATIVE TO THE ELECTRICAL INSTALLATION AND LEAVE THE PREMISES IN A CLEAN AND ORDERLY CONDITION.
- ALL ELECTRICAL SYSTEMS INSTALLED AS PART OF THE WORK SHALL BE WARRANTED BY THE CONTRACTOR FOR ONE YEAR FROM THE FINAL DATE OF ACCEPTANCE BY THE OWNER. CONTRACTOR SHALL REPLACE, WITHOUT ADDITIONAL CHARGES, ANY WORK, MATERIALS, OR EQUIPMENT WHICH DEVELOPS DEFECTS WITHIN THIS TIME FRAME.
- ALL WALL, CEILING, OR FLOOR PENETRATIONS SHALL BE FIRESTOPPED TO MEET THE FIRE RATING OF THE STRUCTURE PENETRATED. ALL MATERIAL SHALL BE UL LISTED AND LABELED FOR ITS INTENDED FUNCTION. CONTRACTOR SHALL SUBMIT MANUFACTURER'S DRAWINGS OF PROPOSED SEALING METHODS.
- PROVIDE ALL STARTERS, DRIVES AND DISCONNECTS WITH NAMEPLATE DENOTING DESIGNATION, VOLTAGE, SIZE AND SOURCE.
- EXHAUST DUCTWORK SHALL BE GALVANIZED DUCTWORK PER SMACNA FOR 1" NEGATIVE PRESSURE CLASS.

DUCTLESS SPLIT SYSTEM OUTDOOR HEATPUMP UNIT											
MARK	INDOOR UNIT	CAPACITY		ELECTRICAL				REFRIGERANT	BASIS OF DESIGN		REMARKS
		COOLING BTUH	HEATING BTUH	VOLTS	PHASE	MCA	MOCP		MITSUBISHI	MITSUBISHI	
CU-1	FCU-1	9000.0	6700.0	230	1	10	15	R-410A	NTXST09A112A		

NOTES:
INSTALL PER MANUFACTURE'S INSTRUCTIONS.

DUCTLESS SPLIT SYSTEM INDOOR HEATPUMP UNIT							
MARK	OUTDOOR UNIT	ROOM SERVED	CAPACITY		ELECTRICAL	BASIS OF DESIGN	REMARKS
			COOLING BTUH	HEATING BTUH			
FCU-1	CU-1	KITCHEN	9,000	6,700	POWERED BY OUTDOOR UNIT	NTXWS109A112A	

NOTES:
INSTALL PER MANUFACTURE'S INSTRUCTIONS FOR WALL MOUNTING.


EXHAUST FAN SCHEDULE													
MARK	TYPE	AREA SERVED	CFM	E.S.P. IN. W.C.	WEIGHT (LBS)	DESIGN HP (HP)	RPM	DRIVE	ELECTRICAL			BASIS OF DESIGN	REMARKS
									VOLTS	AMPS	PHASE		
EF-1	CEILING MOUNT	RESTROOM	70	0.1	9	--	--	DIRECT	120	0.3	1	BROAN-NuTONE LPN80	3,4
EF-2	CEILING MOUNT	RESTROOM	70	0.1	9	--	--	DIRECT	120	0.3	1	BROAN-NuTONE LPN80	3,4
EF-3	CEILING MOUNT	RESTROOM	150	0.1	13	--	--	DIRECT	120	0.5	1	BROAN-NuTONE QTZEN150	3,4
EF-4	CEILING MOUNT	RESTROOM	150	0.1	13	--	--	DIRECT	120	0.5	1	BROAN-NuTONE QTZEN150	3,4
EF-5	CEILING MOUNT	RESTROOM	70	0.1	9	--	--	DIRECT	120	0.3	1	BROAN-NuTONE LPN80	4,5

NOTES:
1. SWITCH ON HOOD.
2. PROVIDE ROOF CURB & INTERNAL DISCONNECT
3. SWITCHED WITH LIGHT IN RESTROOM. PROVIDE ROOF CAP FOR VENT TERMINATION.
4. PROVIDE WALL CAP TO TERMINATE EXHAUST DUCT
5. PROVIDE LINE VOLTAGE THERMOSTAT MOUNTED ON WALL AS SHOWN. SET TO 80°F.

ELECTRIC UNIT HEATER SCHEDULE									
MARK	TYPE	AREA SERVED	CFM	HEATING CAPACITY (KW)	ELECTRICAL		BASIS OF DESIGN	REMARKS	
					VOLTS	PHASE			
UH-1	WALL MOUNTED	MENS RESTROOM	100	1.5	120.0	1	MARKEL E3055T2DWB	1	
UH-2	WALL MOUNTED	WOMENS RESTROOM	100	1.5	120.0	1	MARKEL E3055T2DWB	1	
UH-3	WALL MOUNTED	WOMENS PAVILION	100	1.5	120.0	1	MARKEL E3055T2DWB	1	
UH-4	WALL MOUNTED	MEN'S PAVILION	100	1.5	120.0	1	MARKEL E3055T2DWB	1	
UH-5	WALL MOUNTED	PAVILION STORAGE	100	1.5	120.0	1	MARKEL E3055T2DWB	1	

NOTES:
1. PROVIDE SURFACE MOUNT CABINET WITH INTERNAL, TAMPERPROOF THERMOSTAT

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Revisions

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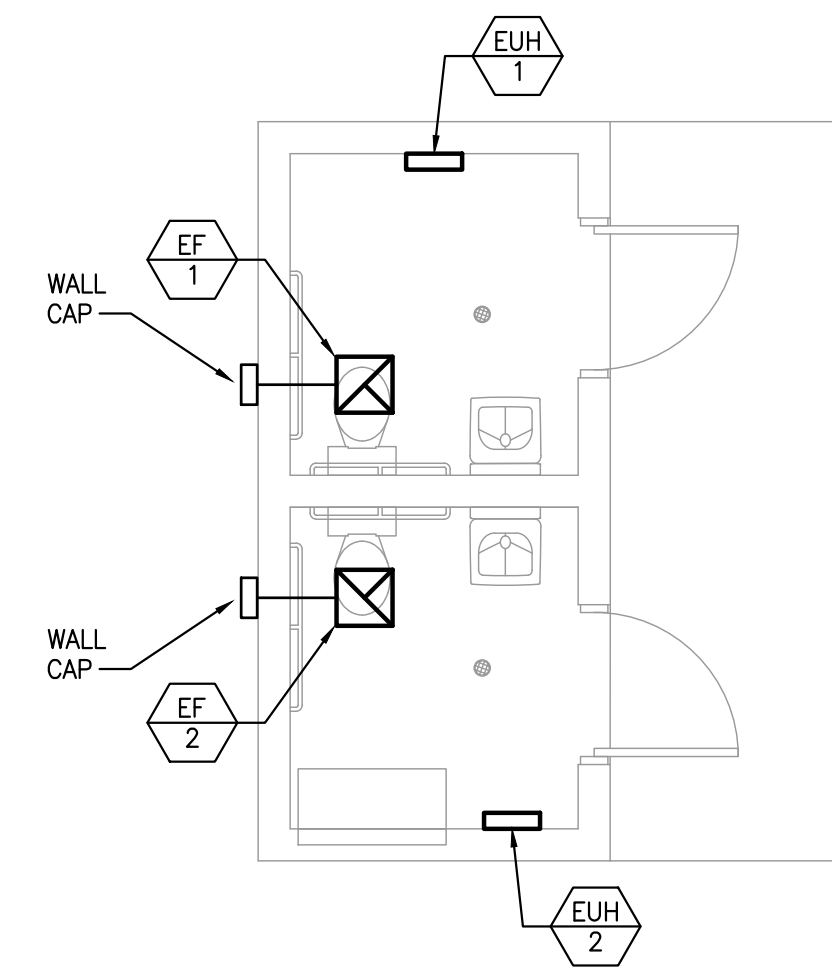
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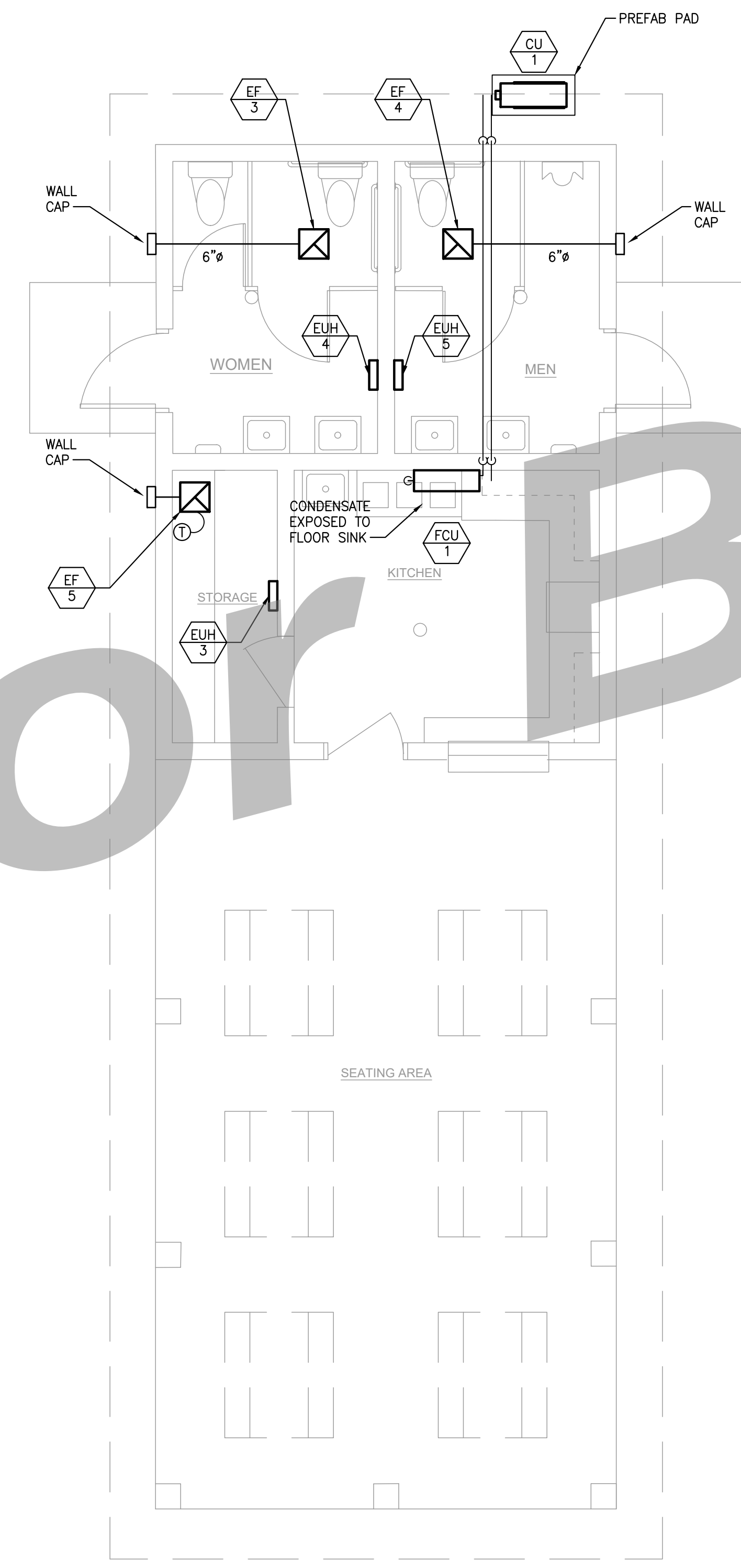
Sheet Title
 MECHANICAL DESIGN

Sheet Number
 M1

Not for Bid



2 MECHANICAL RESTROOM PLAN
SCALE: 1/4" = 1'-0"

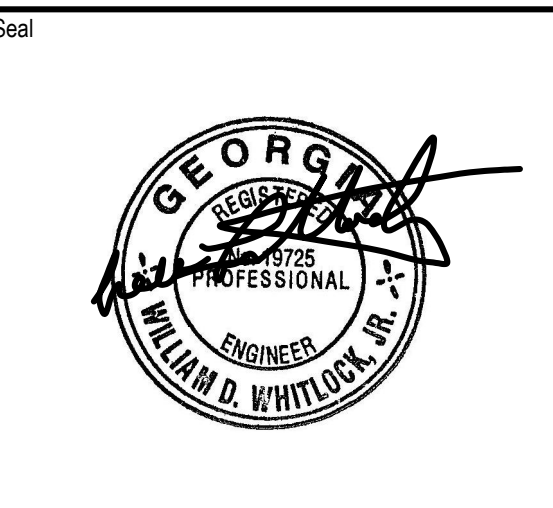


1 MECHANICAL PAVILION PLAN
SCALE: 1/4" = 1'-0"

SYMBOL MEANING	SYMBOL
EXIST. DUCT TO REMAIN IN PLACE	20/12
EXIST. DUCT TO BE REMOVED	20/12
ROUND DUCT	
DUCT SECTION (SUPPLY)	30/12
DUCT SECTION (EXHAUST OR RETURN)	30/12
TRANSITIONS: NOTE F.O.T. FLAT ON TOP OR F.O.B. FLAT ON BOTTOM IF APPLICABLE	
VOLUME DAMPER MANUAL OPERATION	
RADIUSED ELBOWS, SQUARE AND ROUND	
RADIUSED ELBOWS, ROUND, SECTIONED	
ACCESS DOOR (AD) ACCESS PANEL (AP)	
FIRE DAMPER: ▲ VERTICAL POS. → HORIZONTAL POS.	
THERMOSTAT/REMOTE CONTROL PANEL	
POINT OF CONNECTION	
EXTENT OF DEMO	
CONDENSATE DRAIN PIPING	
REFRIGERANT GAS PIPING	
REFRIGERANT LIQUID PIPING	
REFRIGERANT HOT GAS PIPING	
SECTION NUMBER: TOP NUMBER IS SECTION NUMBER; BOTTOM NUMBER IS DRAWING NUMBER WHERE SECTION DRAWING IS LOCATED	
RUN-OUT TO DIFFUSER WITH SPIN-FITTING WITH DAMPER, 8" DUCTWORK AND MAXIMUM 5FT OF FLEX.	
EXHAUST OR RETURN AIR INLET, CEILING	

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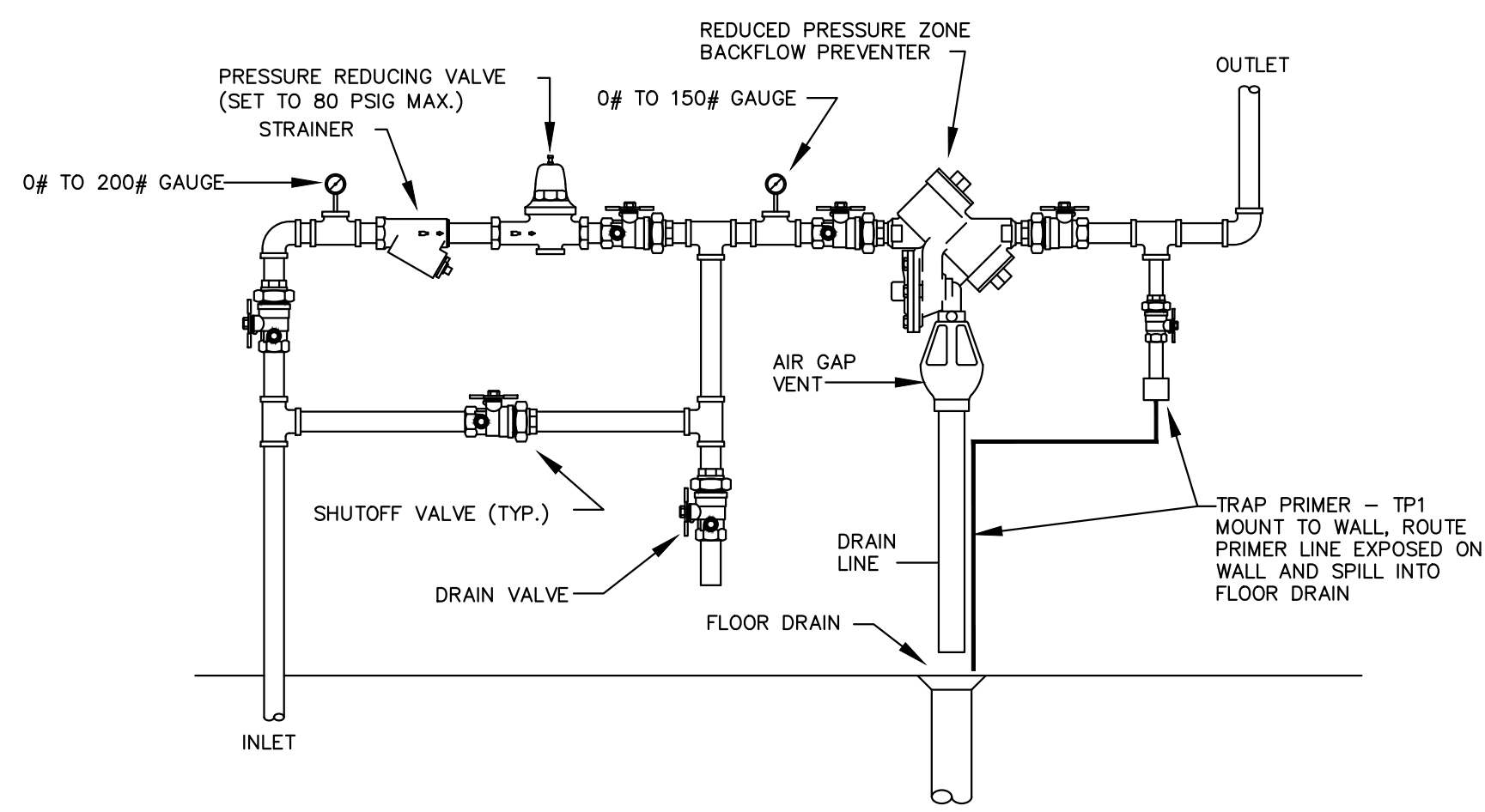
Project
Southside Park for the City of Hinesville
Liberty County, Georgia
Axia Project Number: 2126

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Sheet Title
SPECIFICATIONS ABBREVIATIONS & NOTES

Sheet Number
M2



3 WATER SERVICE ENTRANCE DETAIL (IF REQUIRED)
SCALE: NOT TO SCALE

- GENERAL PLUMBING NOTES:
- ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT AND LOCAL AGENCIES HAVING JURISDICTION OVER THIS PROJECT.
 - ALL WORK SHALL INCLUDE FURNISHING OF MATERIALS, PRODUCTS, ACCESSORIES, EQUIPMENT, TRANSPORTATION, TOOLS, SERVICES SCAFFOLDING, SUPERVISION, LABOR, TESTING, SHOP DRAWINGS AND OTHER ITEMS NECESSARY FOR A COMPLETE INSTALLATION AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
 - THE SUBCONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, CERTIFICATES AND REQUIRED TESTS, INCLUDING ANY ADDITIONAL FEES THAT MAY BE REQUIRED FOR EXTRA VISITS OR JOBSITE INSPECTIONS MADE NECESSARY BY REASON OF DEFICIENT OR DEFECTIVE WORK, OR NON-COMPLIANCE WITH APPLICABLE CODES, INCLUDING LOCAL AMENDMENTS AND ADDITIONS.
 - THE SUBCONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND COORDINATE WITH OTHER TRADES TO PREVENT ANY INTERRUPTIONS AND BASE HIS INSTALLATION ON ALL NEW AND EXISTING CONDITIONS.
 - THE SUBCONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. NOTHING ON THE DRAWINGS OR IN THE SPECIFICATIONS SHALL BE CONSTRUED AS PERMITTING WORK WHICH DOES NOT CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING THE LOCAL AUTHORITIES AND THE STATE OF GEORGIA.
 - ALL NEW PIPING SHALL BE ROUTED AND INSTALLED WHERE THERE IS NO INTERFERENCE WITH OTHER TRADES.
 - ALL WORK SHALL BE DONE BY SKILLED TRADESMEN IN ACCORDANCE WITH THE STANDARDS OF THE INDUSTRY AND IN A GOOD QUALITY MANNER.
 - DO NOT ALLOW DEBRIS OR RUBBISH TO ACCUMULATE; REMOVE FROM THE SITE DAILY. REMOVE AND TRANSPORT DEBRIS AND RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE IN THE FACILITY OR ADJACENT AREAS. COMPLY WITH LOCAL REGULATIONS REGARDING HAULING AND DISPOSAL. MAINTAIN CLEANLINESS IN ALL AREAS.
 - ANY EXISTING IMPROVEMENTS DAMAGED BY THE WORK OF THIS SUBCONTRACTOR SHALL BE RESTORED TO ORIGINAL CONDITION AS APPROVED BY THE OWNER AND AT THE SUBCONTRACTOR'S EXPENSE.
 - ALL MATERIALS, TOOLS, EQUIPMENT, ETC. SHALL BE STORED IN A SAFE AND SECURE AREA.
 - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ANY RELATED WORK.
 - THE SUBCONTRACTOR SHALL MAINTAIN AND KEEP CURRENT A SET OF "RED-LINE" DOCUMENTS THAT ILLUSTRATE ANY DEVIATIONS IN PIPE ROUTING OR EQUIPMENT INSTALLATION FROM THAT SHOWN ON THE DRAWINGS.
 - THE SUBCONTRACTOR SHALL LEAVE THE ENTIRE INSTALLATION IN COMPLETE WORKING ORDER, FREE FROM DEFECTS IN WORKMANSHIP, MATERIALS OR FINISH. GUARANTEE TO REPAIR OR REPLACE ANY PART OR PORTION THAT MAY DEVELOP ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP WITHIN A PERIOD OF ONE YEAR AFTER THE DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL INCLUDE ALL PURCHASED EQUIPMENT, AS WELL AS SUPPLIES AND SERVICES REQUIRED TO COMPLETE THE WORK. IF THE SUBCONTRACTOR IS UNABLE TO OBTAIN SIMILAR GUARANTEE FROM THE MANUFACTURER, THEN THE RESPONSIBILITY SHALL REST WITH THE SUBCONTRACTOR. THERE SHALL BE NO EXCEPTIONS TO THIS REQUIREMENT.

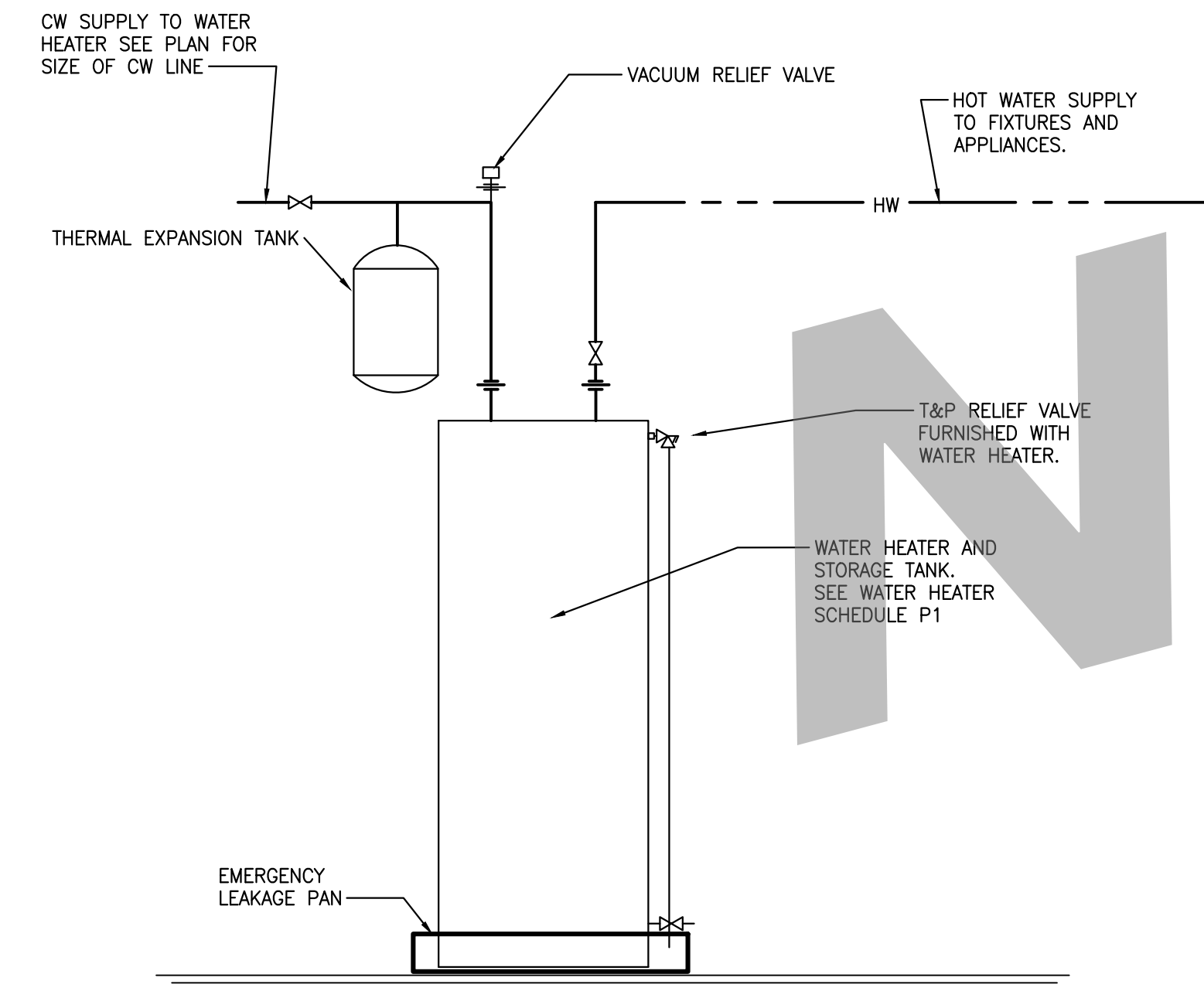
- ALL ELECTRICAL COMPONENTS, DEVICES, EQUIPMENT OR ASSEMBLIES SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE-2011. UL LISTING SHALL BE NOTED (LABELED) OR OBTAINED FOR ALL PRODUCTS WITH ELECTRICAL COMPONENTS.
- PIPE SIZES USED ON THE DRAWINGS AND IN THE SPECIFICATIONS ARE NOMINAL PIPE SIZES. TUBE SIZES ARE STANDARD TUBE SIZE IN INCHES.
- UNLESS NOTED OTHERWISE, ALL IN-LINE ITEMS, SUCH AS SHUT-OFF VALVES, STRAINERS, CHECK VALVES, ETC. SHALL BE LINE SIZE.
- ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED TO THE REQUIREMENTS OF THE INTERNATIONAL PLUMBING CODE AND TO THE REQUIREMENTS OF AWWA C501-68.
- DOMESTIC HOT & COLD WATER PIPING SHALL BE INSULATED WITH 1/2" MINERAL FIBER INSULATION WITH FOIL JACKET.
- ALL NEW SINKS AND FIXTURES TO BE COORDINATED WITH THE ARCHITECT.
- PLUMBER TO COORDINATE WITH INTERIOR ARCHITECT'S DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.

PLUMBING LEGEND		
SYMBOL	ABBREV	DESCRIPTION
S OR W		SOIL, SANITARY SEWER OR WASTE
V		VENT
DCW		DOMESTIC COLD WATER
DHW		DOMESTIC HOT WATER
—		PIPE DOWN
—		PIPE UP
—		BALL VALVE
FD		FLOOR DRAIN
WH		WALL HYDRANT
VTR		VENT THRU ROOF
FCO		FLOOR CLEAN OUT

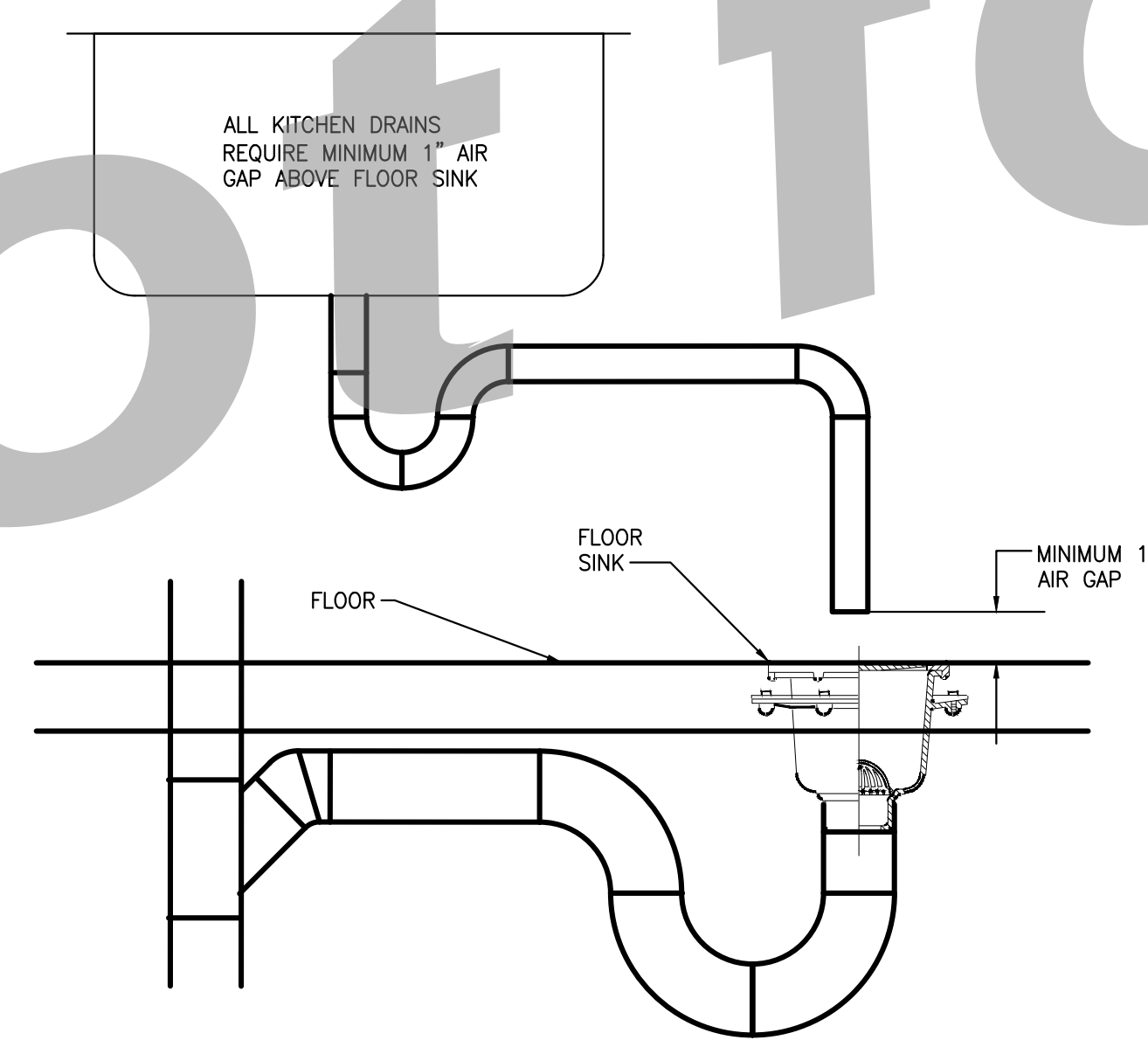
PIPING MATERIAL SCHEDULE	
SERVICE	MATERIAL
DOMESTIC COLD WATER	TYPE "L" HARD DRAWN COPPER TUBE AND SEAMLESS WROUGHT COPPER & BRONZE FITTINGS W/ LEAD FREE SOLDERED JOINTS.
DOMESTIC HOT WATER	TYPE "L" HARD DRAWN COPPER TUBE AND SEAMLESS WROUGHT COPPER & BRONZE FITTINGS W/ LEAD FREE SOLDERED JOINTS.
SANITARY AND VENT	CAST IRON PIPE AND FITTINGS WITH HUBLESS JOINTS PER ASTM A-888-09 AND SHIELDED COUPLINGS PER ASTM C 1277-09a/CISPI 310

NOTES:
1. ALL BURIED PIPING SHALL BE COATED AND WRAPPED FOR ANTI-CORROSION PROTECTION OR BE INSTALLED INSIDE A CARRIER PIPE

DOMESTIC WATER HEATER SCHEDULE									
MARK	VOLUME (GAL)	INLET WATER TEMP (F°)	WATER DELIVERY TEMP (F°)	RECOVERY RATE (GAL/HR)	HEATING CAPACITY KW/ELEMENT	VOLTAGE/PHASE	FULL LOAD AMPS	BASIS OF DESIGN	NOTES
WH-1	50	75	125	49	2.0KW X 3	240/1	25	A O SMITH DRE-52-6	PROVIDE PAN



2 ELECTRIC WATER HEATER
SCALE: NOT TO SCALE

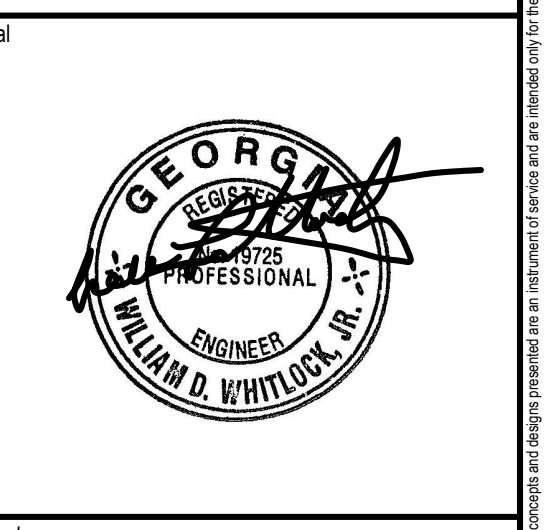


1 AIR GAP DRAIN DETAIL
SCALE: NOT TO SCALE

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	DESCRIPTION
WC	WATER CLOSET	1/2"	--	4"	2"	KOHLER HIGHLINE K-5298 WATER CLOSET, WHITE WITH BOTTOM OUTLET. EASTMAN 10733LF QUARTER TURN ANGLE STOP AND FLUIDMASTER B1116 BRAIDED STAINLESS STEEL TOILET CONNECTOR
UR	URINAL	3/4"	--	1-1/2"	2"	KOHLER STANWELL, K-25048-ET BLOW OUT URINAL. PROVIDE KOHLER K-13519-CP 0.5 GPF FLUSHOMETER VALVE.
LAV	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	KOHLER WHITE SOHO WALL MOUNTED BATHROOM SINK MODEL K-2084. PROVIDE DELTA MODEL 559HA LAVATORY FAUCET, WITH FLOW RESTRICTOR, GRID DRAIN AND MATT BLACK FINISH. EASTMAN 10733LF QUARTER TURN ANGLE STOP AND SINK CONNECTOR.
HS	HAND SINK	1/2"	1/2"	1-1/2"	2"	REGENCY MODEL 600HS17. PROVIDE DELTA 23C644 GOOSENECK FAUCET WITH HOODED BLADE HANDLES, GRID DRAIN AND WALL REGENCY MODEL 600S31416212, STAINLESS STEEL WITH 14" X 16" X 12" BOWLS WITH TWO DRAIN BOARDS. PROVIDE TWO HANDLE GOOSENECK FAUCET WITH SCREEN DRAINS.
3CS	3 COMPARTMENT SINK	1/2"	1/2"	1-1/2"	--	
FS	FLOOR SINK	--	--	3"	2"	ZURN Z1900; CAST IRON BODY WITH WHITE INTERIOR WITH FULL GRATE AND INTERIOR DOME STRAINER. PROVIDE ZURN 1072 BARRIER TRAP SEAL.
FD	FLOOR DRAIN	--	--	3"	--	ZURN Z415B; CAST IRON BODY WITH BOTTOM OUTLET, BRONZE GRID, 4" DIAMETER, LIGHT DUTY STRAINER. PROVIDE 3" GREEN DRAIN WATERLESS TRAP SEAL. WWW.GREENDRAINS.COM
FCO	FLOOR CLEAN OUT	--	--	--	--	ZURN Z1400 OR EQUAL, FLUSH WITH FINISHED FLOOR
WHA	WATER HAMMER ARRESTOR	1/2"	--	--	--	ZURN Z-1700-200 OR EQUAL
TP	TRAP PRIMER	1/2"	--	--	--	PROFLOW MODEL PPR500 TRAP PRIMER VALVE WITH PRPDUU TRAP PRIMER DISTRIBUTION UNIT WHERE REQUIRED OR INDICATED.
ET	EXPANSION TANK	3/4"	--	--	--	WILKINS XT-8 OR EQUAL
HB	HOSE BIBB	1/2"	--	--	--	ZURN Z1341 WALL FAUCETT WITH ANTI-SIPHON DEVICE.

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Sheet Title
PLUMBING DESIGN
Sheet Number
P1

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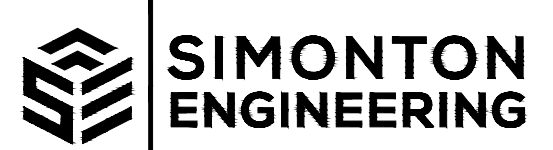


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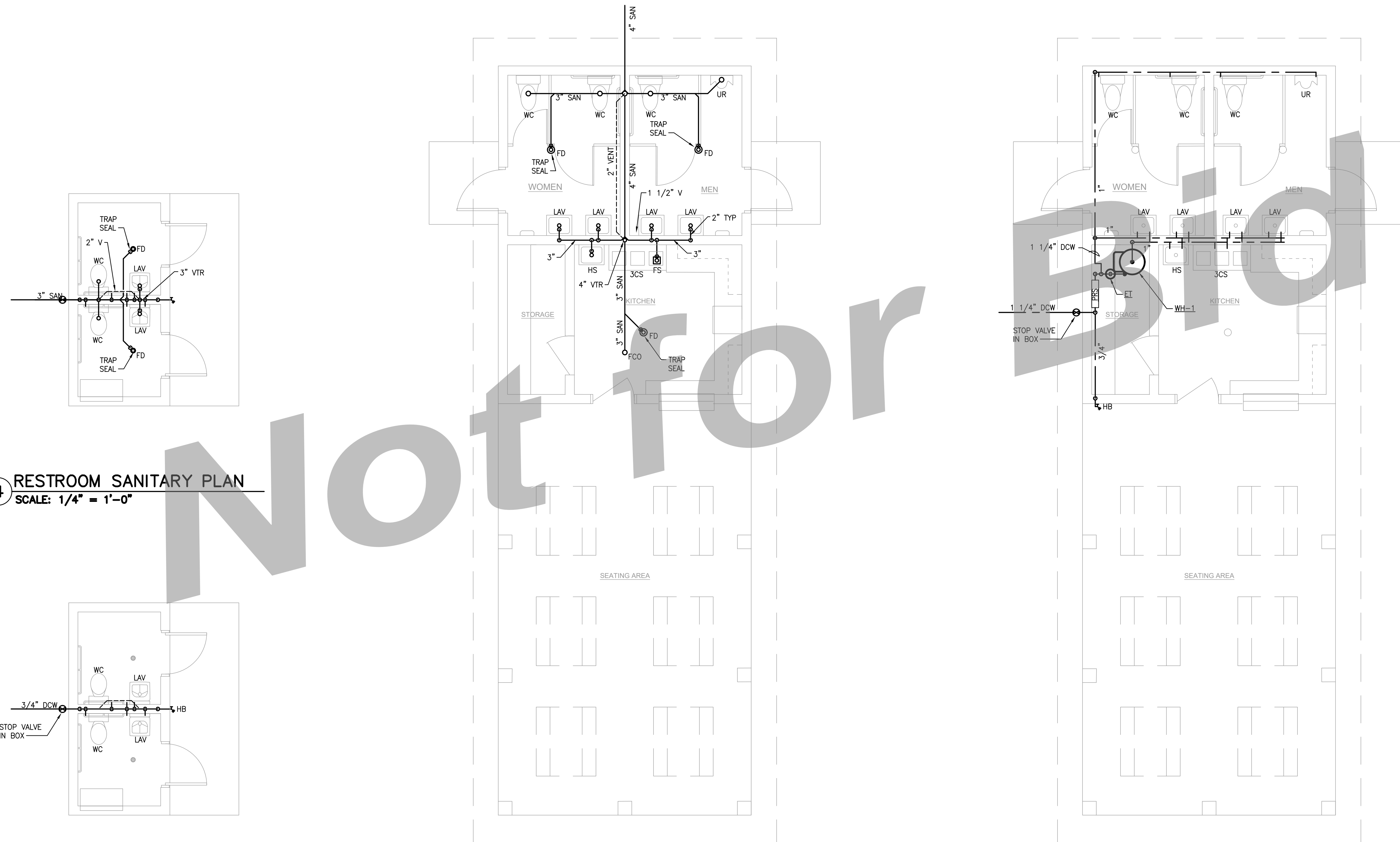
14 January 2022

Sheet Title

PLUMBING FLOOR PLANS

Sheet Number

P2



4 RESTROOM SANITARY PLAN
 SCALE: 1/4" = 1'-0"

3 RESTROOM DOMESTIC PLAN
 SCALE: 1/4" = 1'-0"

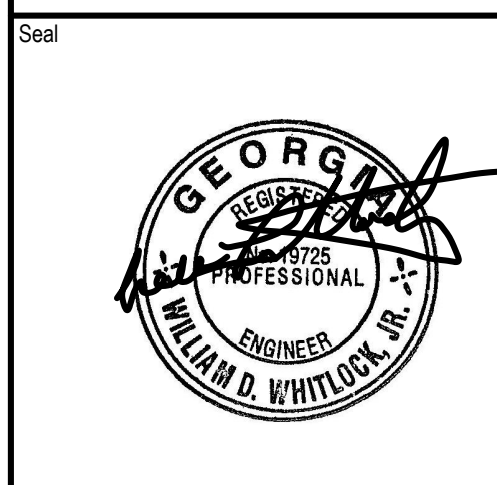
2 PAVILION SANITARY PLAN
 SCALE: 1/4" = 1'-0"

1 PAVILION DOMESTIC PLAN
 SCALE: 1/4" = 1'-0"

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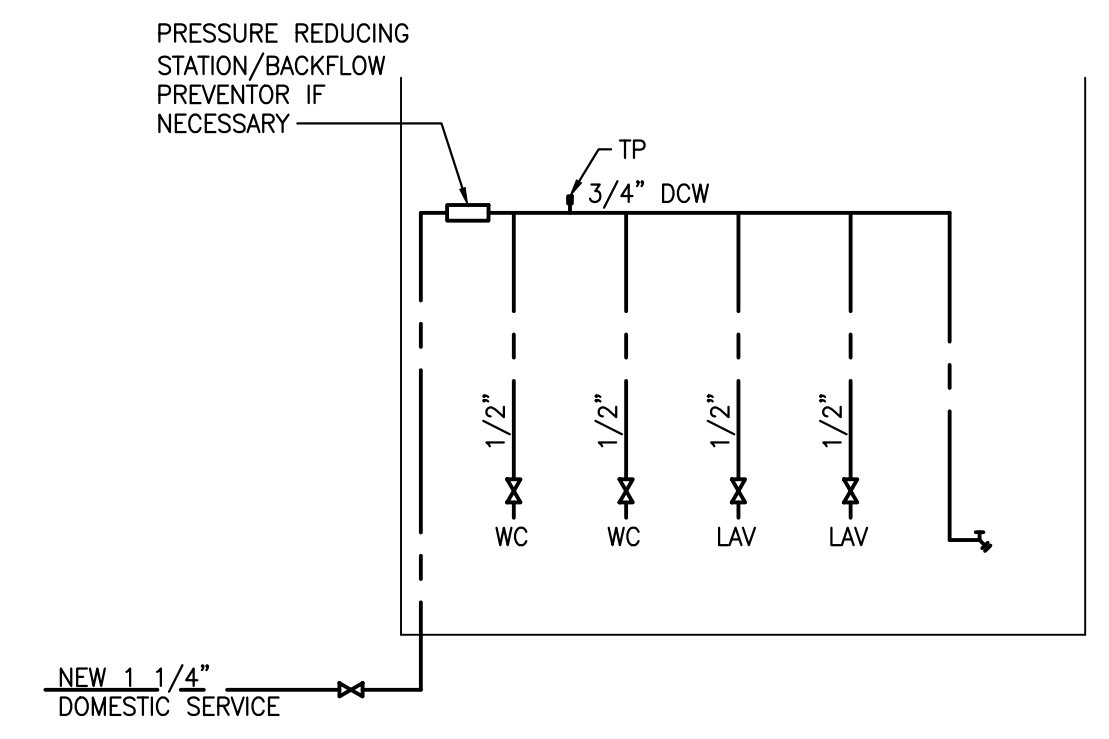
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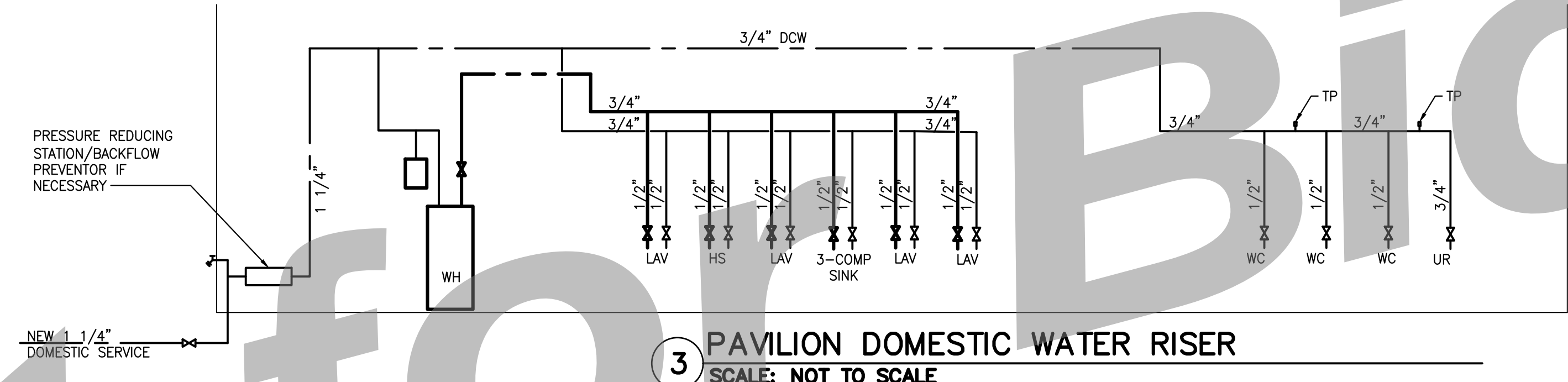
Issue Date
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Sheet Title
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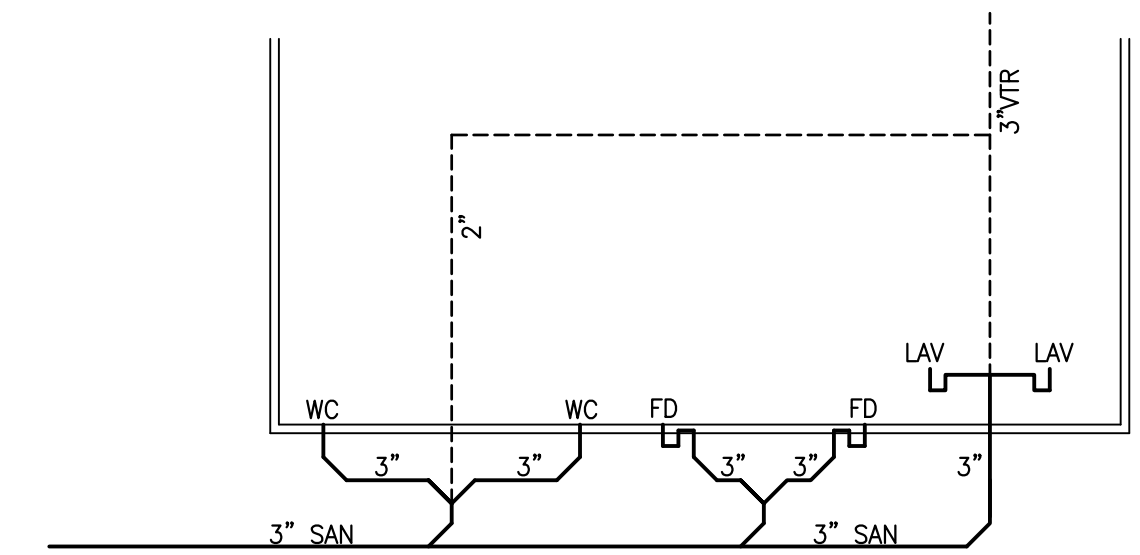
Sheet Number
P3



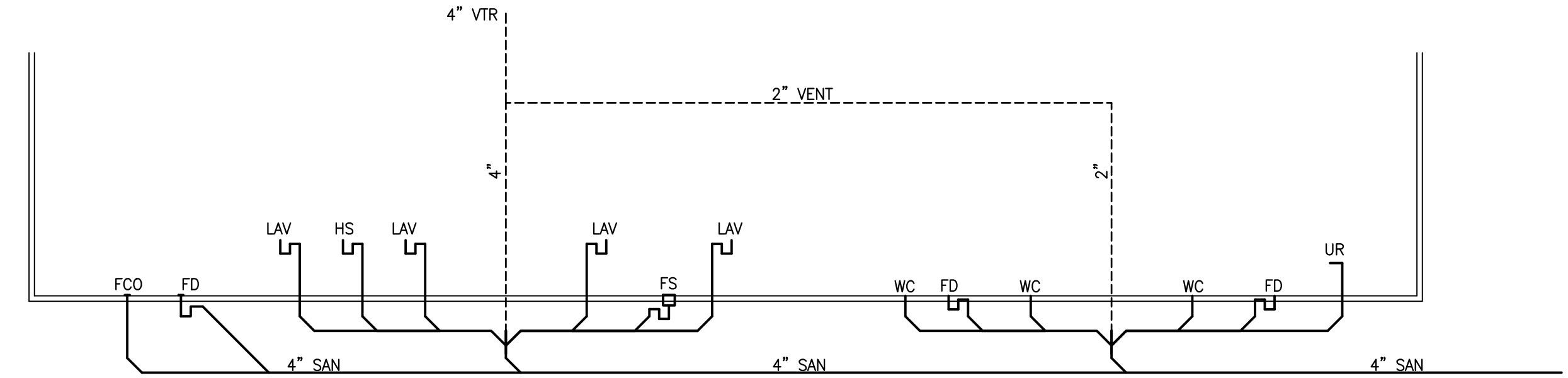
4 RESTROOM WATER RISER
 SCALE: NOT TO SCALE



3 PAVILION DOMESTIC WATER RISER
 SCALE: NOT TO SCALE



2 RESTROOM SANITARY WASTE RISER
 SCALE: NOT TO SCALE



1 PAVILION SANITARY WASTE RISER
 SCALE: NOT TO SCALE

Not for Bid