City of Gainesville
Department of Sustainable Development
Planning Division

PO Box 490, Station 11
Gainesville, FL 32627-0490
306 NE 6th Avenue
P: (352) 334-5022
F: (352) 334-2648

Petition PB-20-29 WSUP

June 25, 2020

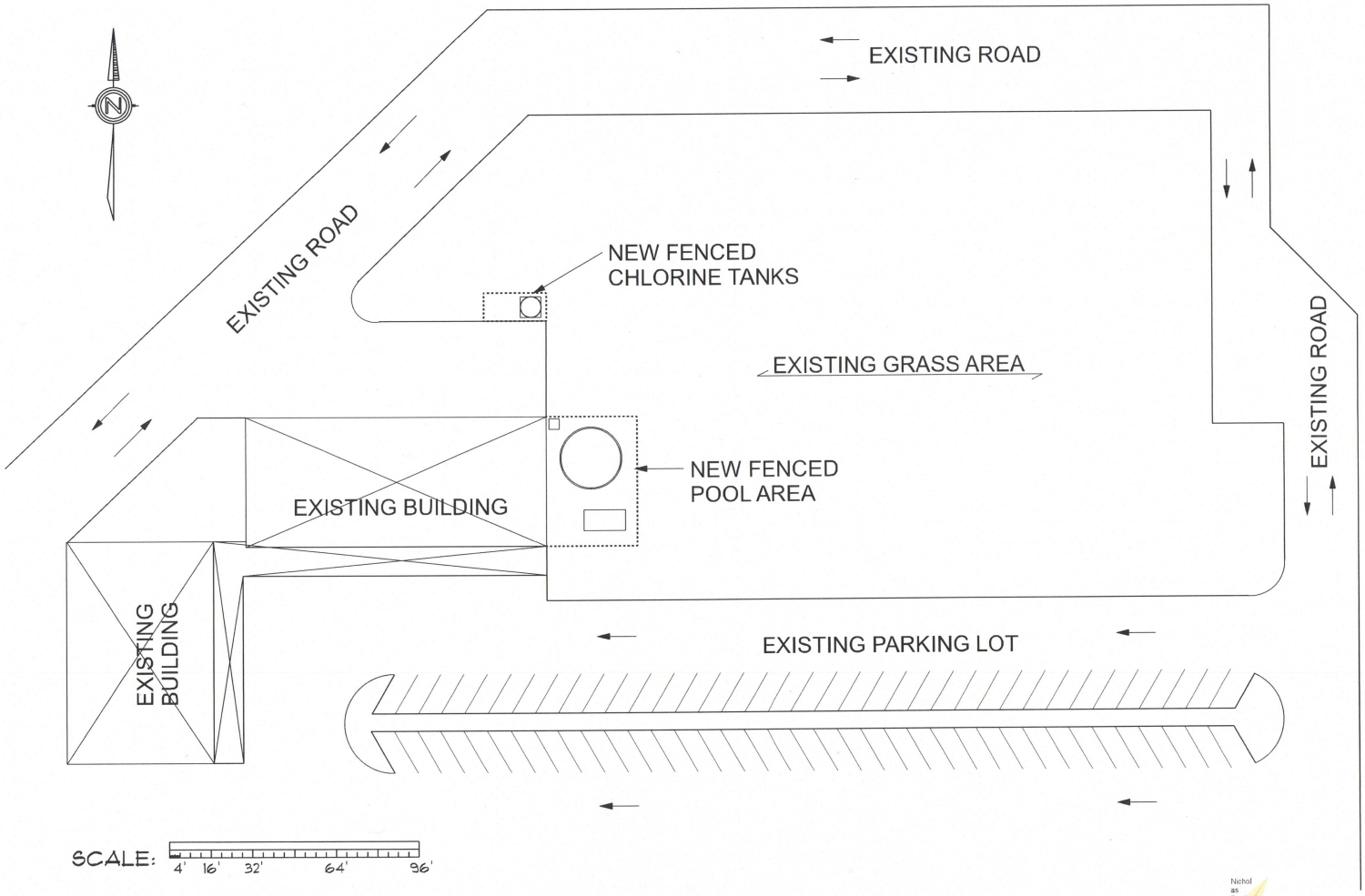
Attachment A: Application and Supporting Documents

Attachment B: Comprehensive Plan and Land Development Code References

Attachment C: Technical Review Committee (TRC) Conditions

Attachment D: Drawings and Plans

SITE PLAN



Nichol as Paul Geisler
Digitally signed by: Nicholas Paul Geisler
DN: CN = Nicholas Paul Geisler email = ridgepointdesign@gmail.com C = US O = Architect OU = AR0007005
Date: 2019.12.05 18:27:59 -05'00'

REVISIONS
NOV. 12th, 2019

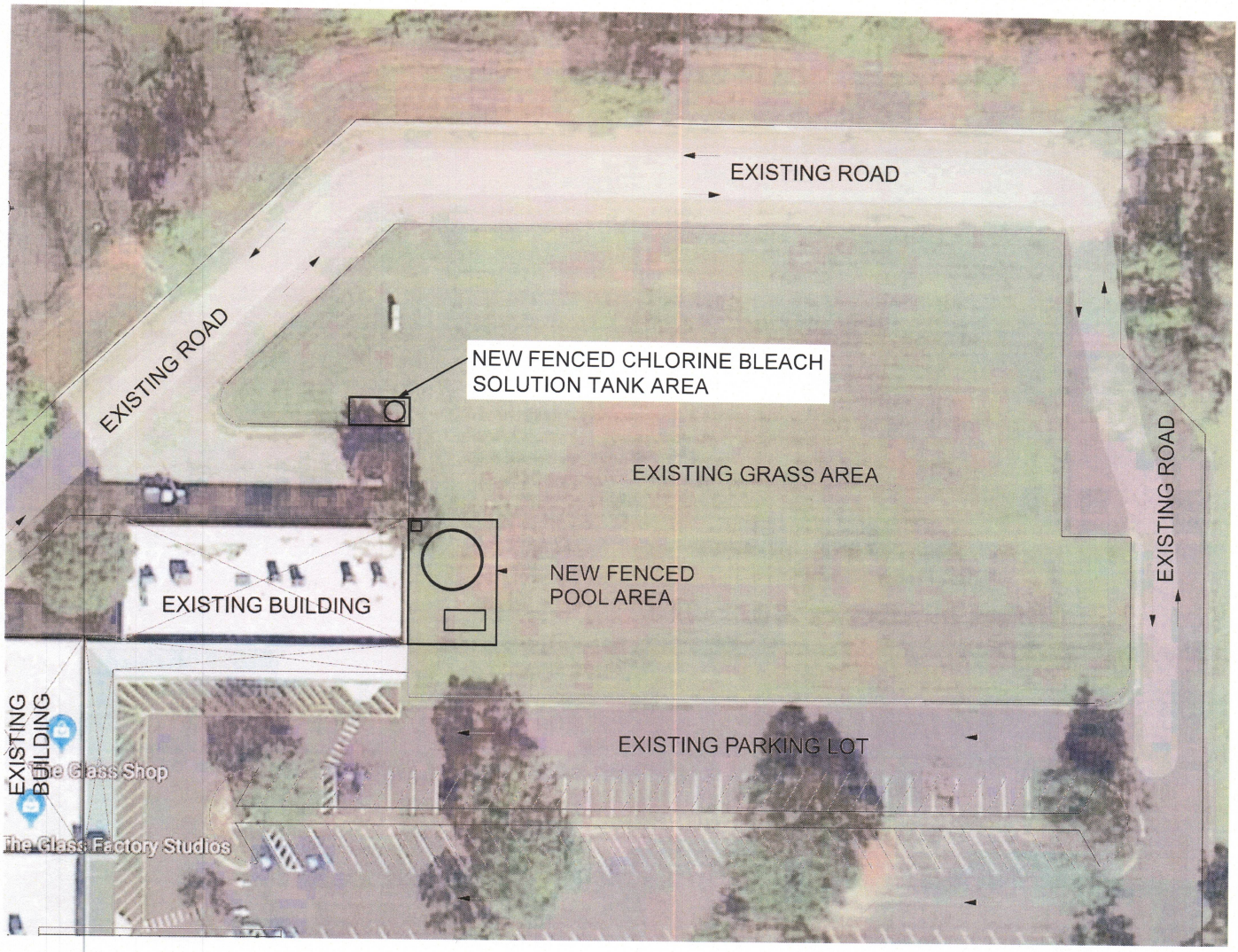
EXISTING BUILDING RENOVATION:
KIRSPLASH POOLS
6250 NW 23rd St. Unit 21-24, Gainesville, FL

RIDGEPOINT DESIGN
BEAUTY FROM BALANCE LAKE CITY, FLORIDA 32055
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM

NICHOLAS PAUL GEISLER ARCHITECT
1158 NW Baker Rd.
Lake City, FL 32055

SHEET NUMBER
A.6
OF 6 SHEETS

STATE OF FLORIDA
NICHOLAS PAUL GEISLER
No. 7005
REGISTERED ARCHITECT



ALACHUA COUNTY TAX PARCEL ID: 06014-030-000

NOTE: The notations in this digital signing and sealing of the plans does not require the PE stamp image, per FS 471.

SEE ARCHITECTURAL PLANS BY OTHERS FOR DETAILS OF SITE PLAN AND TANK AREA FENCE AND PAD.

Francisco J Amram

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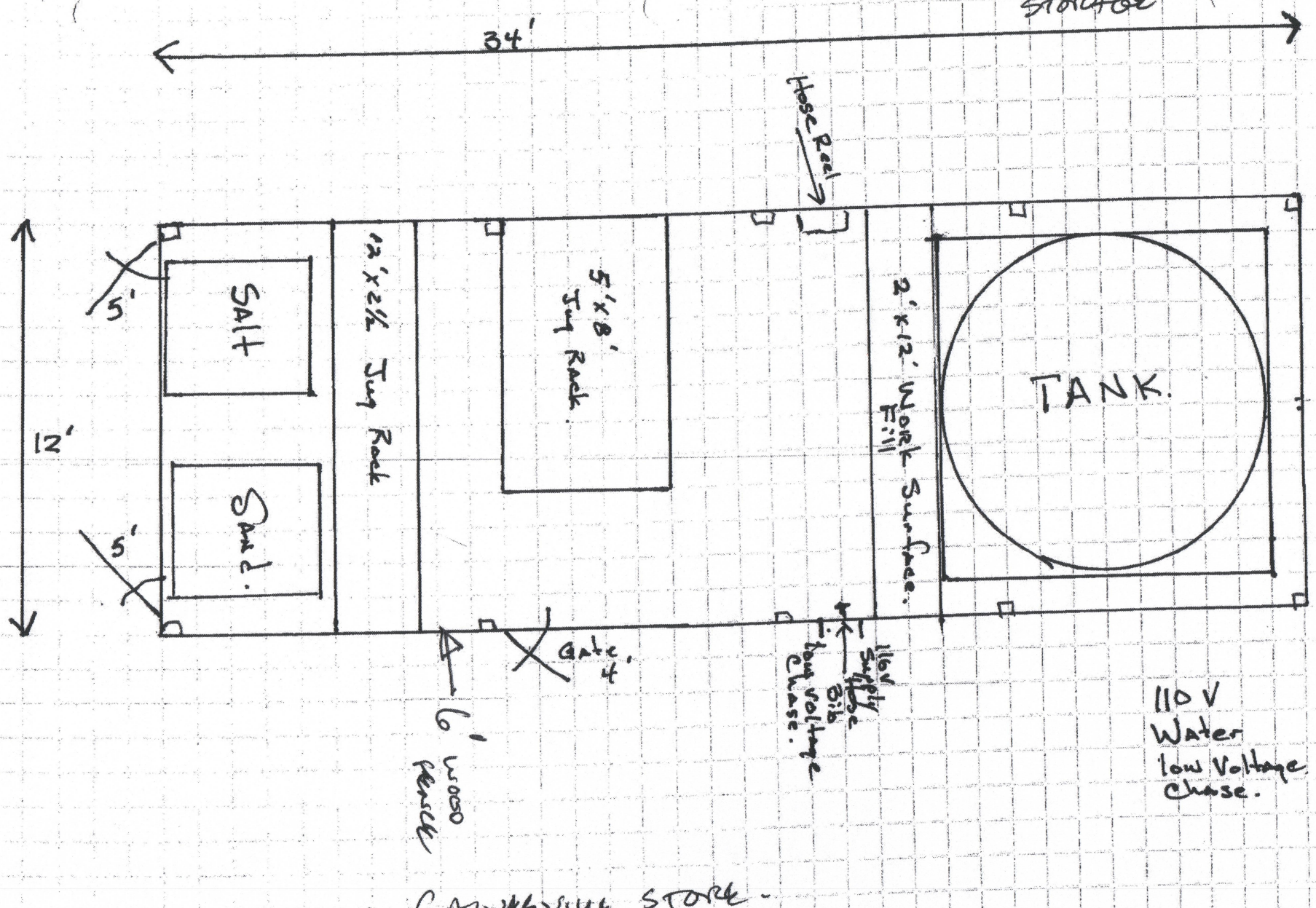
PACSCON GEOENVIRONMENTAL, INC. 2019 OSPREY LANE LUTZ, FLORIDA 33549 Engineering Certification of Authorization: 32162 PHONE: (813)563-0440 E-MAIL: INFO@PACSCON.COM	Francisco J. "Paco" Amram, P.E. STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE No. 45133 This item has been digitally signed and sealed by above-named P.E. on date of digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.	PROJECT No. 2020-1328
1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	PROPOSED TANK SYSTEM LOCATION KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 1

Permit* BP-19-07924

KirSplash LLC.
Storage



Gainesville Store.

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CAPACITIES

STORAGE TANK (TOTAL OF ONE)

VOLUME = 1500-1550 GAL
DIAMETER = 64 INCHES
HEIGHT = 114.75 INCHES

CONTAINMENT TANK (TOTAL OF ONE)

VOLUME = 2275 GAL
TOP DIMENSION = 96 INCHES x 96 INCHES
BTM DIMENSION = 86 INCHES x 86 INCHES
HEIGHT = 68 INCHES

CONTAINMENT TANK MEETS REQUIREMENTS OF NFPA 60

CONTAINMENT BASIN CAPACITY IS 2275 GALLONS

STORAGE TANK CAPACITY IS 1500 TO MAX. 1550 GALLONS

= 6 COURSES x 15 BLOCKS/COURSE = 90 BLOCKS REQUIRED FOR TANK SUPPORT

EACH BLOCK DISPLACES 1.87 GALLONS

(90 BLOCKS) * (1.87 GAL/BLOCK) = 168.3 GALLONS DISPLACED BY BLOCKS

NET CONTAINMENT CAPACITY = 2275 GAL - 168.3 GAL = 2106.7 GALLONS

(2106.7/1500) * 100% = 140% > 130%

(2106.7/1550) * 100% = 136% > 130%

DESIGN CRITERIA:

BUILDING CODE: FLORIDA BLDG CODE, 6TH EDITION (2017 REVISION)
SPECIAL INSPECTION REQUIREMENTS:NO
DESIGN WIND LOADING CRITERIA: CODE: ASCE 7-10
RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES IV
ULTIMATE DESIGN WIND SPEED VALT =160 MPH (3 SEC. GUST)
EXPOSURE C
WINDBORNE DEBRIS REGION - YES
GRAVITY DESIGN LOADS: SELF WEIGHT OF THE TANK.
NOTE: ALL PROVIDED LOADS IN THIS PROJECT ARE WORKING LOADS

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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	CAPACITIES & DESIGN CRITERIA KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 11

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SPECIAL SAFETY REQUIREMENTS:

WHEN THE SODIUM HYPOCHLORITE (BLEACH) TRAILER IS UNLOADING INTO THE SODIUM HYPOCHLORIDE STORAGE TANK, THE FOLLOWING MUST BE SATISFIED:

1. ENSURE THERE IS ENOUGH ROOM IN SELECTED SODIUM HYPOCHLORITE STORAGE TANK TO HOLD THE SODIUM HYPOCHLORITE FROM THE TANK TRAILER.
2. CHOCK THE SODIUM HYPOCHLORITE TANK TRAILER AND ENSURE THAT THERE IS A TRACTOR UNDERNEATH THE TANK TRAILER OR THERE IS A TRAILER STAND UNDERNEATH THE TANK TRAILER.
3. UTILIZE THE PROPER EQUIPMENT TO UNLOAD THE TANK TRAILER USE CLEAN, EMPTY 5 GALLON SPILL RECOVERY BUCKET TO COLLECT ANY DRIPS. ALL LIQUID CHEMICAL MATERIALS TO BE RECYCLED.
4. ATTACH HOSE AND PVC BLEED OFF TEE TO SODIUM HYPOCHLORITE TANK TRAILER UNLOADING VALVE AND CONNECT TO BOTTOM OF SODIUM HYPOCHLORITE UNLOADING VALVE.
5. OPEN BOTTOM SODIUM HYPOCHLORITE (BLEACH) UNLOADING VALVE AND OTHER NECESSARY TO ALLOW MATERIAL TO FLOW INTO SELECTED STORAGE TANK.
6. ATTACH AIR HOSE TO TANK TRAILER AIR LINE. OPEN NECESSARY VALVES TO ALLOW AIR TO PRESSURE THE TANK TRAILER TO MAXIMUM 15 PSI.

   WARNING NOTE: IF ANY LEAKS ARE FOUND, SHUT OFF THE AIR, BLEED DOWN THE AIR OFF THE TANK TRAILER. SHUT OFF ALL VALVES AND CORRECT LEAK.
7. MONITOR THE UNLOADING PROCESS AT ALL TIMES.
8. WHEN THE TANK TRAILER HAS FINISHED UNLOADING INTO THE STORAGE TANK, SHUT OFF SODIUM HYPOCHLORITE TANK TRAILER UNLOADING VALVE AND ALL OTHER SODIUM HYPOCHLORITE VALVES. RECORD THE TANK LEVELS.
9. SHUT OFF AIR VALVE AND BLEED DOWN THE AIR OFF THE TANK TRAILER. REMOVE AIR HOSE FROM TANK TRAILER. ENSURE ALL VALVES ARE CLOSED ON TANK TRAILER.
10. PLACE A FIVE GALLON SPILL RECOVERY BUCKET UNDERNEATH THE SODIUM HYPOCHLORITE TANK TRAILER UNLOADING VALVE AND OPEN THE PVC BLEED OFF TEE VALVE TO RELIEVE PRESSURE OFF OF THE HOSE.
11. CAREFULLY DISCONNECT THE HOSE FROM THE SODIUM HYPOCHLORITE TANK TRAILER UNLOADING VALVE AND ALLOW MATERIAL LEFT IN THE HOSE TO FLOW INTO THE FIVE GALLON SPILL RECOVERY BUCKET. RECYCLE ALL RECOVERED MATERIALS.
12. DISCONNECT THE HOSE FROM THE BOTTOM SODIUM HYPOCHLORITE UNLOADING VALVE AND SECURE IN HOSE RACK. REMOVE AND SECURE CHOCKS PRIOR TO DEPARTURE.

REGULATORY EXEMPTIONS / CONSIDERATIONS

1. ABOVEGROUND STORAGE TANK (AST) SYSTEMS IN THE STATE OF FLORIDA USED EXCLUSIVELY FOR THE STORAGE OF AQUEOUS SOLUTIONS OF SODIUM HYPOCHLORITE (BLEACH) ARE EXEMPT FROM THE REQUIREMENTS OF CHAPTER 62-762, FLORIDA ADMINISTRATIVE CODE (F.A.C.), PURSUANT TO SECTION 62-762.301(2)(X).

2. THE OUTDOOR STORAGE OF 10.5 - 12.5% SODIUM HYPOCHLORITE (BLEACH) SOLUTION, A CORROSIVE LIQUID, IS PROPOSED AT THIS FACILITY AT A QUANTITY THAT DOES NOT EXCEED THE MAXIMUM ALLOWABLE QUANTITY (MAQ) PURSUANT TO THE FLORIDA FIRE PREVENTION CODE (FFPC) FOR AN OUTDOOR CONTROL AREA, OR 2,000 GALLONS. THEREFORE, THE OUTDOOR BLEACH AST SYSTEM INSTALLATION PROPOSED AT THIS FACILITY IS COMPLIANT WITH THE REQUIREMENTS OF THE FFPC AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 400.

Francisco J Amram

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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	SPECIAL SAFETY REQUIREMENTS & REGULATORY EXEMPTIONS/CONSIDERATIONS KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 10

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SCOPE OF WORK:

PROVIDE NEW CONSTRUCTION FOR THE FOLLOWING:

1. ERECTION OF ONE (1) SECONDARY CONTAINMENT BASIN.
2. ERECTION OF ONE (1) 1500 TO 1550 GAL. STORAGE TANKS.
3. INSTALLATION OF WIND ANCHORING SYSTEM FOR THE STORAGE TANK.
4. INSTALLATION OF FILLING STATION(S) INCLUDING PIPING, PIPING APPURTENANCES, PIPE SUPPORT POST AND SPILL PROTECTION SYSTEM AS SHOWN ON THE DRAWINGS.

NOTES:

1. ALL MATERIALS OF CONSTRUCTION FOR TANK, CONTAINMENT, HOSES AND SPILL PROTECTION SHALL BE MADE OF POLYETHYLENE AND OR POLYPROPYLENE MATERIALS COMPATIBLE FOR USE WITH SODIUM HYPOCHLORITE.
2. PRIMARY PRODUCT STORAGE TANKS TO BE CONSTRUCTED OF TRANSLUCENT MATERIAL, SO LIQUID LEVEL CAN BE MONITORED AT ALL TIMES.
3. ALL ASSOCIATED PIPING, VALVES, AND NOZZLES SHALL BE SCHEDULE 80 PVC MATERIAL.
4. SPILL DRIP COLLECTION BUCKETS MUST BE LOCATED AT TANK FILL LINE AND DISCHARGE MANIFOLD, USED AT ALL TIMES DURING WORK AND MAINTAINED AS NECESSARY TO CAPTURE AND PREVENT ALL PRODUCT LOSS.
5. THE VOLUME OF THE CONTAINMENT TANK RELATIVE TO THE VOLUME OF THE STORAGE TANK. MEETS THE REQUIREMENTS OF NFPA CHAPTER 60: PLEASE SEE TABLES FOR MORE DETAILS (10% LARGER THAN VOLUME OF THE STORAGE TANK).
6. ALL SECURITY FENCING IS THE RESPONSIBILITY OF THE PROPERTY OWNER. PROPERTY OWNER MUST FOLLOW ALL LOCAL STATE AND FEDERAL REGULATIONS REGARDING SECURITY FENCING.
7. TANK TIE DOWN CABLES SHALL BE AS SPECIFIED ON DRAWING.
8. SYSTEM PIPING SHOULD BE SOLVENT-WELDED AND THE USE OF THREADED PIPE SHOULD BE AVOIDED.
9. PVC GLUES WHICH ARE COMPATIBLE WITH OXIDIZERS AND ALKALIS SHOULD BE USED, AND GLUES WITH FUMED SILICA ADDITIVE USED AS A THICKENING AGENT SHOULD BE AVOIDED.
10. PIPING AND JOINT SURFACES SHALL BE PROPERLY PREPARED, PRIMERED, AND GLUED, PER MFR SPECS. THESE ARE IMPORTANT TO PROLONG THE PERFORMANCE OF THE OVERALL PIPING SYSTEM.
11. WHERE POSSIBLE, PIPE RUNS SHOULD BE INSTALLED TO ELIMINATE THE PRESENCE OF LOW POINTS BECAUSE PRODUCT LEFT STANDING IN PIPELINES CAN EXPERIENCE PRODUCT DECOMPOSITION (OXYGEN GENERATION AND CHLORATE FORMATION) WHEN NOT IN USE. INSTALLATION OF DRAIN VALVES SHOULD BE CONSIDERED IF LOW POINTS CANNOT BE AVOIDED. EXCEPTION: INTERNATIONAL P-TRAP IN TANK FILL LINE TO CATCH RESIDUAL DRIPPAGE IN PIPE, WHICH GETS FLUSHED INTO NEXT TANK FILL.
12. IF HANGERS AND CLAMPS ARE TO BE USED IN THE SUPPORT SYSTEM, SPECIAL CARE SHOULD BE TAKEN TO ENSURE A SMOOTH CONTACT SURFACE, FREE OF ROUGH EDGES, AND TO AVOID COMPRESSING OR DISTORTING THE PIPE DURING INSTALLATION AS THIS COULD LEAD TO FAILURE OR LEAKAGE.
13. WHERE NEEDED, ENSURE ENOUGH CLEARANCE/LOOSENESS IN CLAMP TO ALLOW PIPE MOVEMENT WHERE NEEDED, FOR EXAMPLE, DUE TO TANK "SQUATTING".
14. EXISTING CONCRETE PAD CAN BE USED FOR TANK SYSTEM, PROVIDING THAT IT IS IN SATISFACTORY CONDITION BASED ON VISUAL INSPECTION AND WAS INITIALLY CONSTRUCTED PUSUANT TO APPLICABLE CODES AND REQUIREMENTS TO SUSTAIN THE ANTICIPATED TANK LOAD BASED ON ENGINEERING REVIEW OF AS-BUILT DOCUMENTATION BY QUALIFIED PERSONNEL.

Francisco J Amram

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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	SCOPE OF WORK AND NOTES KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 9

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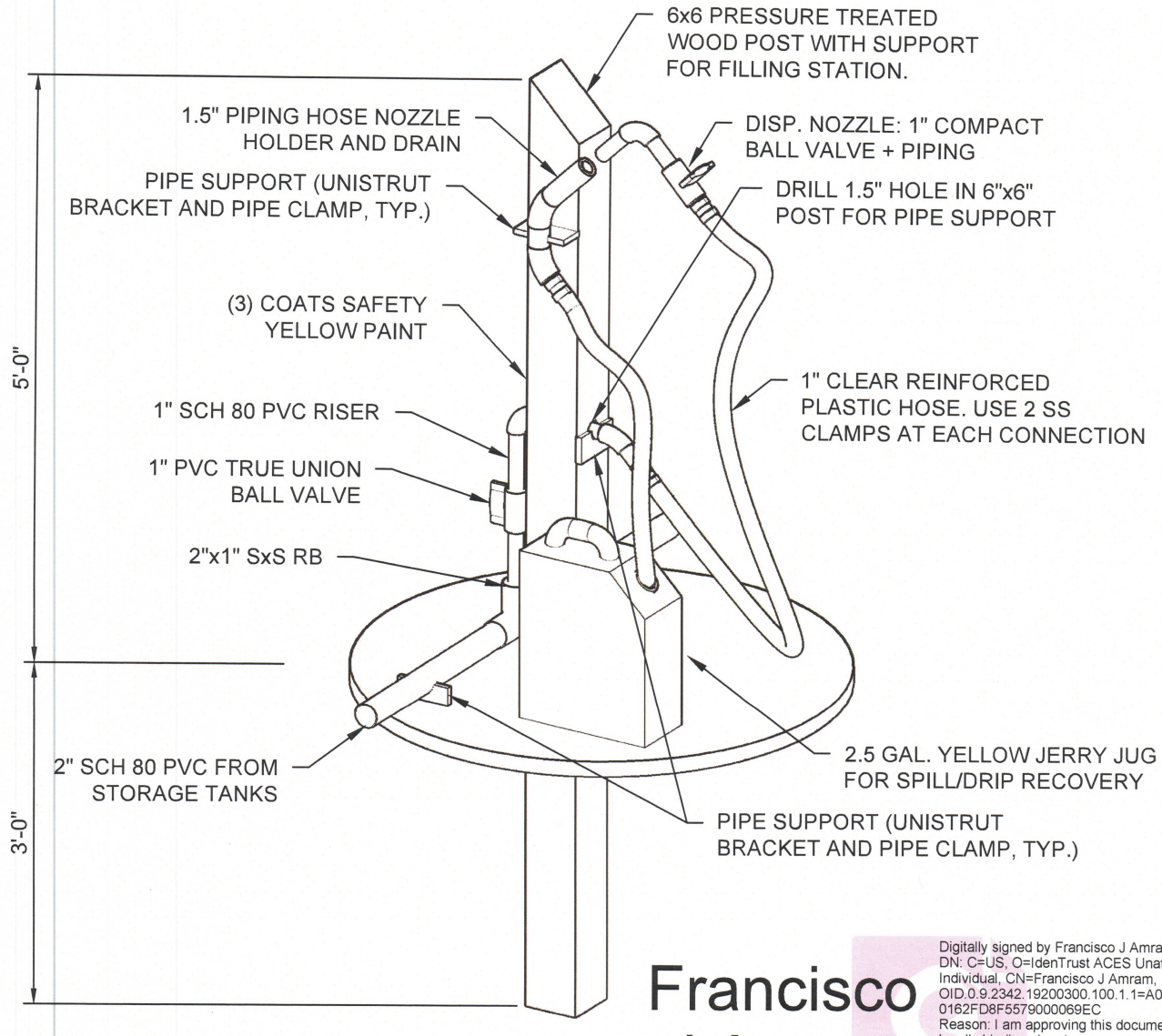

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NOTE:
THIS IS A "TYPICAL" FILL STATION DETAIL. FOR THIS PROJECT, THE FOLLOWING FEATURES ARE "OPTIONAL", AND UNLIKELY: WOOD POST, EMBEDMENT OF WOOD POST IN CONCRETE. THESE WILL BE REPLACED, FOR EXAMPLE, BY UNISTRUT SUPPORTS OR BRACKETS TO THE JUG RACKS OR FENCE POSTS, DEPENDING ON BLEACH TANK CUSTOMER SET UP NEEDS, PER INSTALLATION CREW. MULTIPLE NOZZLE HOLDERS TEE TOGETHER AND DRAIN TO SAME HOSE AND JUG.

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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	FILL STATION DETAIL KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 8

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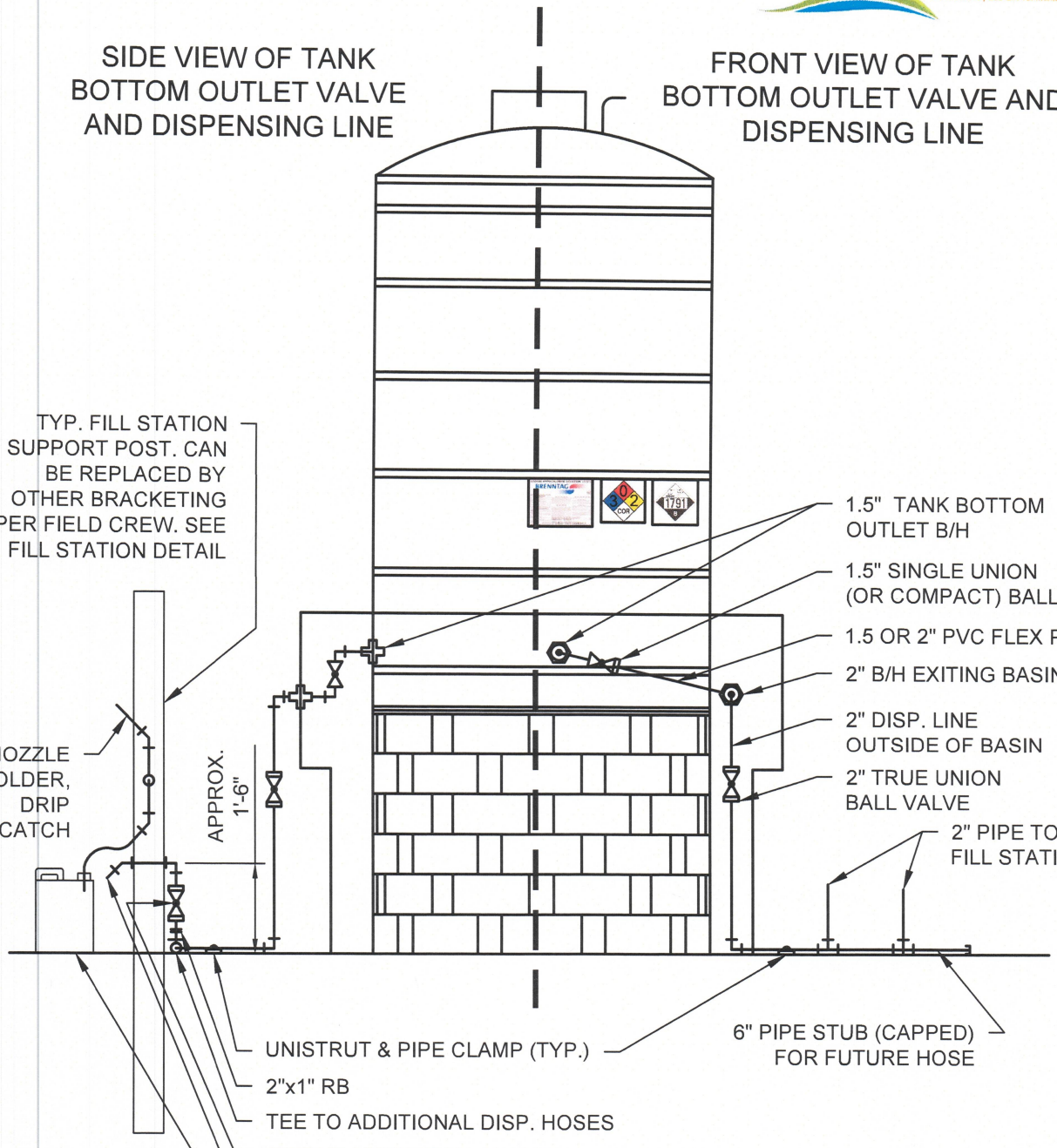
SIDE VIEW OF TANK
BOTTOM OUTLET VALVE
AND DISPENSING LINE

FRONT VIEW OF TANK
BOTTOM OUTLET VALVE AND
DISPENSING LINE



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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	TANK DISPENSING LINE PROFILE KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 7

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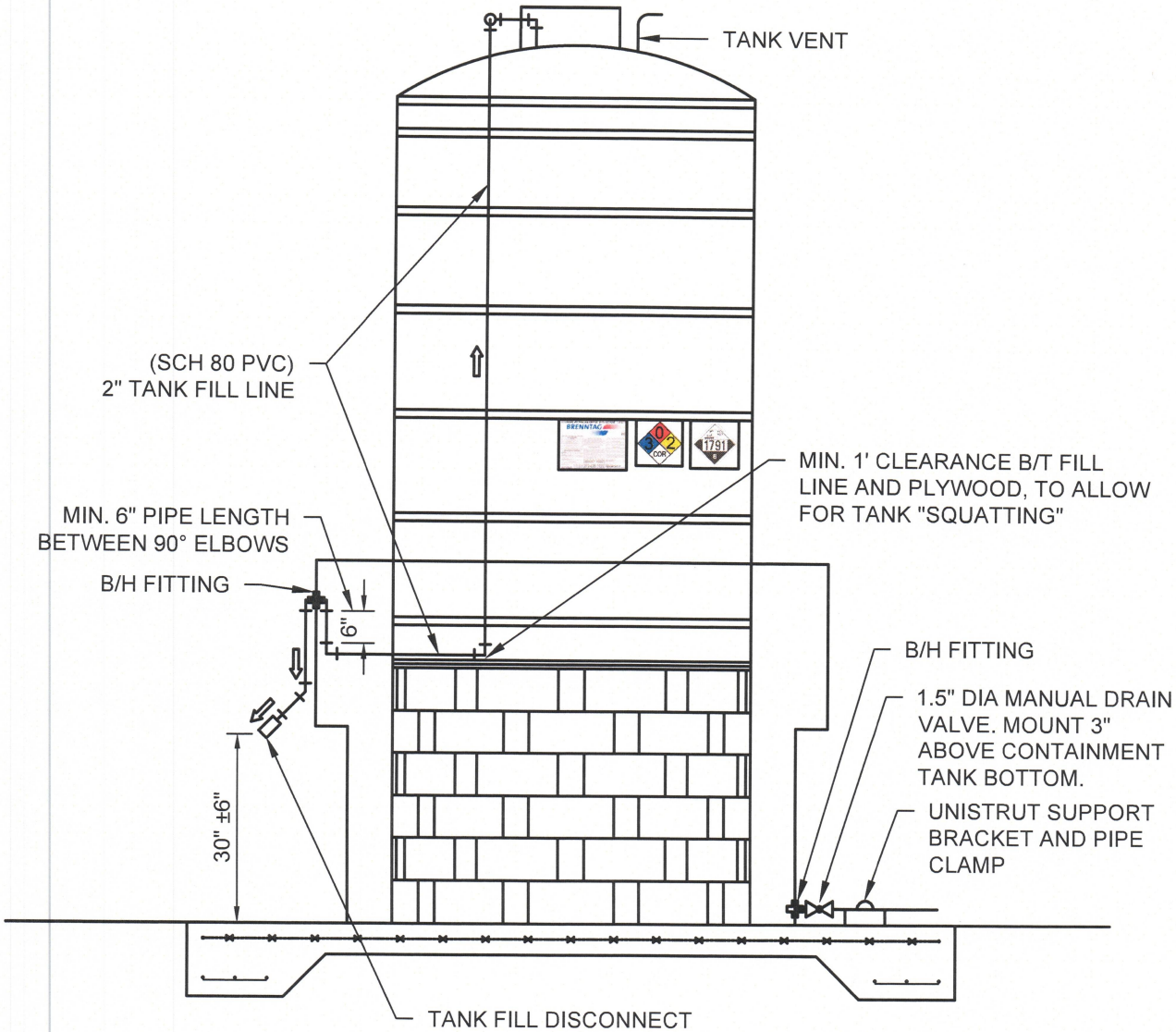

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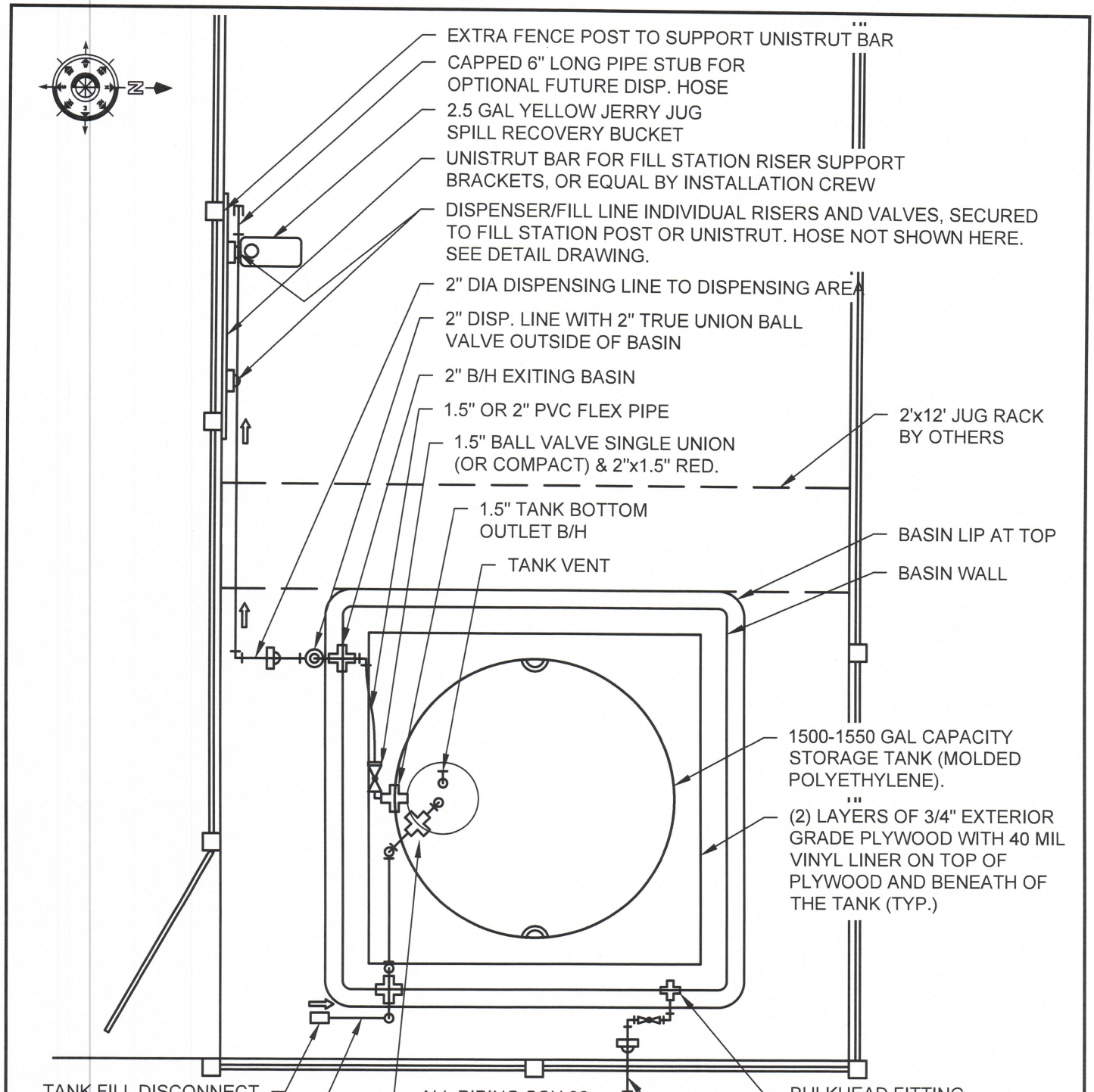

NOTE:
ADDED FENCE POST FOR UNISTRUT AND THE GATE BY THE TANK SYSTEM ARE AS SUGGESTED, BUT DESIGN AND CONSTRUCTION PLANS OF FENCING AND JUG RACK ARE BY OTHERS.

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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	PIPING PLAN KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 5

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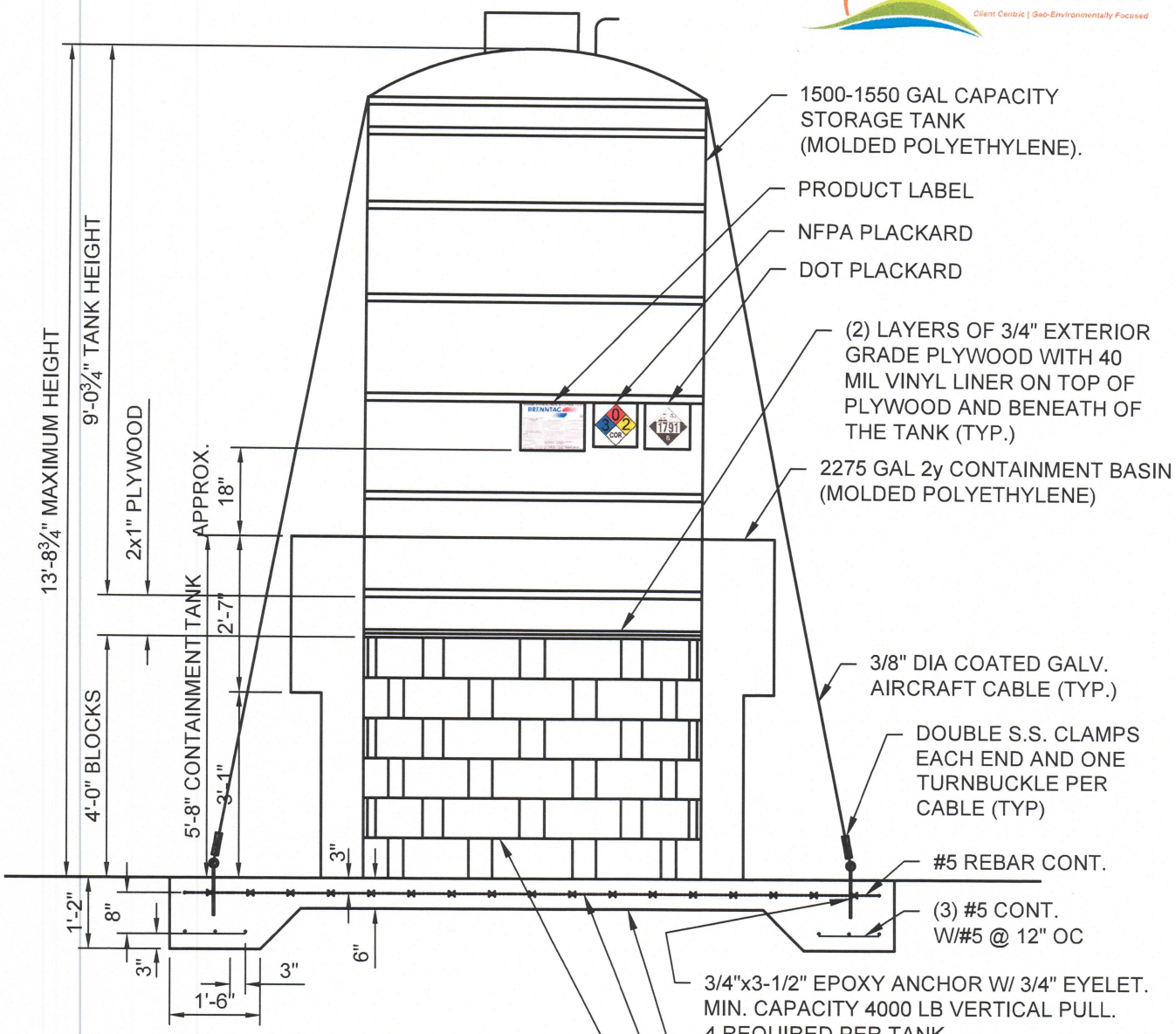

NOTE:
CONCRETE PAD DESIGN SHOWN IN THESE TANK PLANS APPLY TO THE 12' WIDTH x MIN. 10' LONG TANK AREA. REFER TO ARCH. PLANS FOR REST OF THE 12'x34' PAD.

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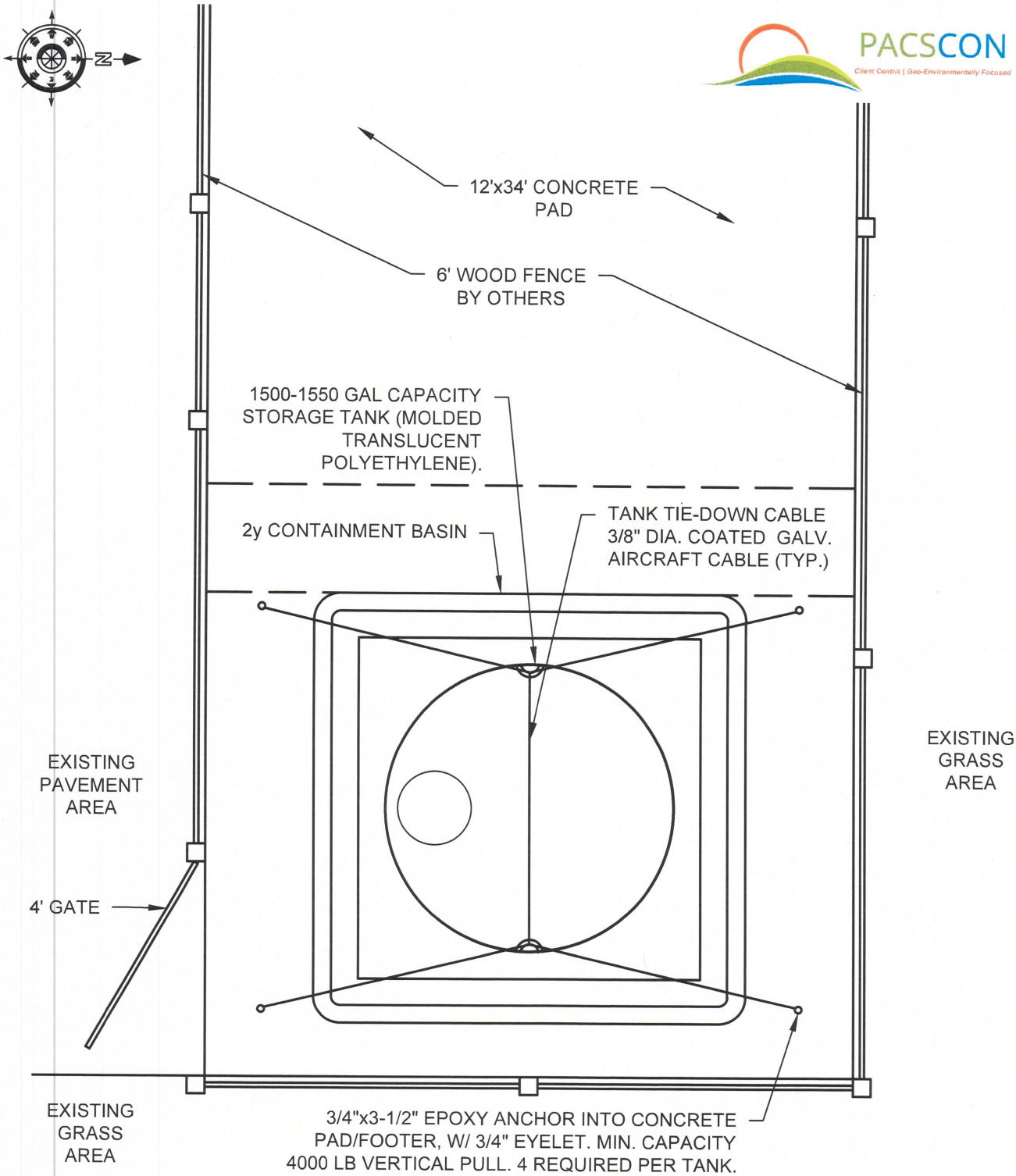

SEE ARCHITECTURAL PLANS BY OTHERS FOR DETAILS OF SITE PLAN AND TANK AREA FENCE AND PAD.

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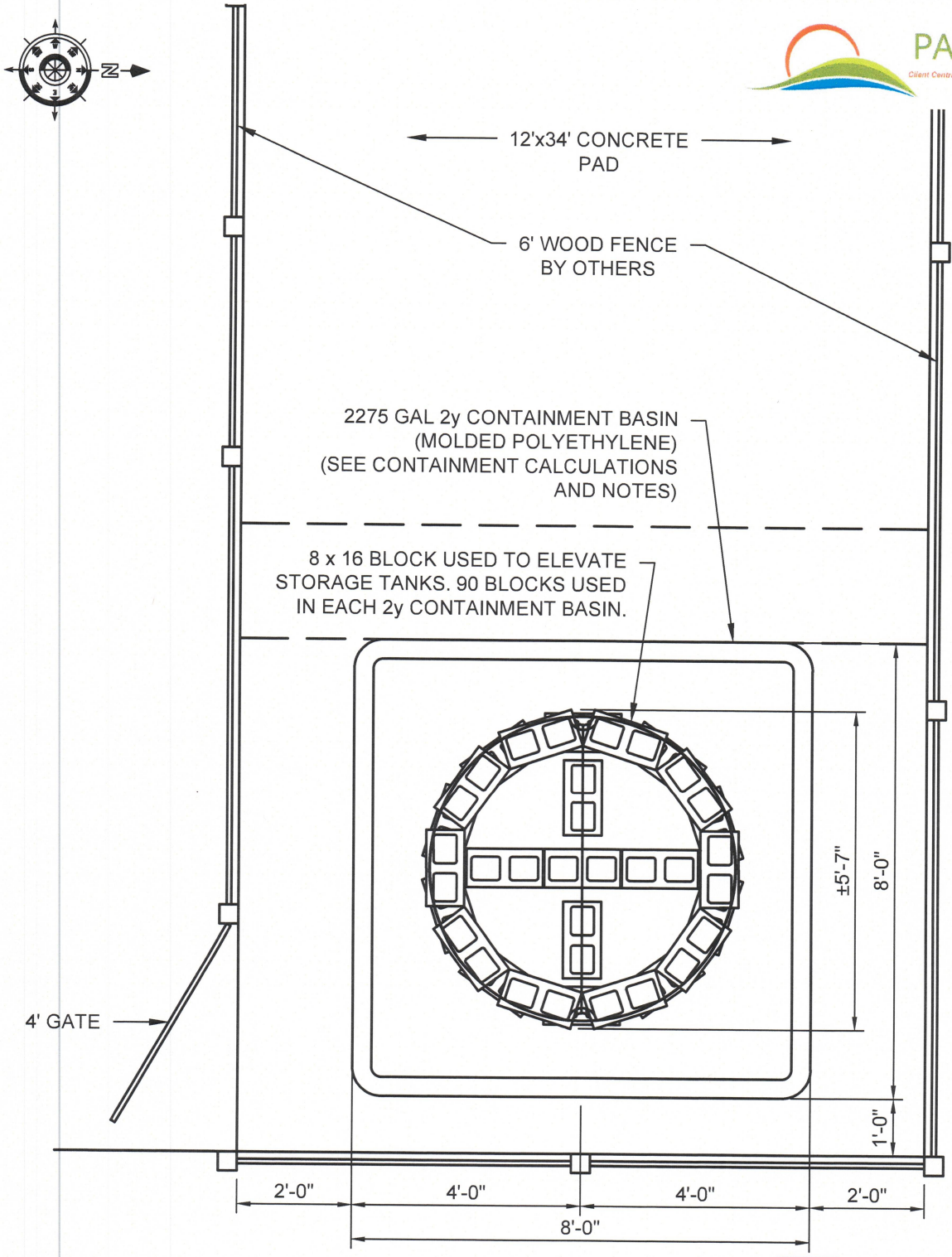
PROJECT No. 2020-1328

1500-1550 GAL. TANK PLANS
BRENNTAG MID-SOUTH, INC.
50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765

STORAGE AREA PLAN @ EL. +16'-0"
KIRSPLASH POOLS
6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653

FIGURE 3



SEE ARCHITECTURAL PLANS BY OTHERS FOR DETAILS OF SITE PLAN AND TANK AREA FENCE AND PAD.

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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	STORAGE AREA PLAN @ EL. +3'-0" KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 2

PACSCON
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STORMWATER MANAGEMENT PLAN/PROCEDURES

THE PURPOSE OF THIS PROCEDURE IS TO PREVENT CONTAMINATED RAINWATER FROM ESCAPING THE SODIUM HYPOCHLORITE (BLEACH) CONTAINMENT AREA:

1. PRIOR TO DRAINING THE RAINWATER INSIDE THE TANK CONTAINMENTS, WATER MUST BE INSPECTED AND TESTED. USE A pH TEST STRIP OR OTHER EQUIVALENT TESTING KIT.

2. A MANUAL 1.5"DRAIN VALVE WILL BE INSTALLED AT MAXIMUM OF 3 INCHES FROM THE FLOOR OF EACH CONTAINMENT. IF THE WATER TESTED BLEACH FREE IN STEP 1, IT CAN BE DRAINED USING THE MANUAL DRAIN VALVE.THE VALVE MUST BE MONITORED WHEN DRAINING RAINWATER.

3. IN THE EVENT OF BLEACH IN THE RAINWATER, THE BLEACH IS TO BE NEUTRALIZED USING NON-HAZARDOUS SODIUM THIOSULFATE GRANULES, OR EQUIVALENT. SPRINKLE ¼-POUND OF THE SODIUM THIOSULFATE GRANULES, OR EQUIVALENT, EVENLY ON THE RAINWATER. WAIT 24 HOURS AND RETEST. IF BLEACH STILL EXISTS, REPEAT PROCEDURE. PRIOR TO DRAINING, THE WATER WILL ALSO MEET THE MINIMUM CRITERIA FOR ALL SURFACE WATERS OF THE STATE AS STIPULATED IN RULE 62-302.500(1) F.A.C IF ALL BLEACH IS NEUTRALIZED, THE WATER CAN BE DRAINED AS DISCUSSED IN STEP 2.

4. A LOG (SEE BELOW) IS TO BE KEPT TO PROPERLY DOCUMENT THE TESTING AND DRAINING OF RAINWATER FROM THE TANK CONTAINMENTS.THIS LOG MUST CONTAIN THE FOLLOWING INFORMATION:

STORMWATER MANAGEMENT LOG					
DATE	WATER TESTED (YES/NO)	RESULTS	DRAINED (YES/NO)	NOTIFY MGMT. IF WATER CONTAINS BLEACH	INTIALS

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1500-1550 GAL. TANK PLANS BRENNTAG MID-SOUTH, INC. 50 S. BELCHER ROAD, SUITE 114, CLEARWATER, FLORIDA 33765	STORMWATER MANAGEMENT PLAN/PROCEEDURES & LOG KIRSPLASH POOLS 6250 NW 23RD ST., GAINESVILLE, FLORIDA 32653	FIGURE 12