

WESTVILLE WATER TREATMENT PLANT GAC FILTER POLE BARN INSTALLATION

114 CROWN POINT ROAD
LOTS 3, 4, AND 5, BLOCK 18

BOROUGH OF WESTVILLE, COUNTY OF GLOUCESTER, STATE OF NEW JERSEY

DESIGN & BUILDING PERMITS:

1. THE L.S. PRICE INCLUDES THE BUILDING INSTALLER’S RESPONSIBILITY TO PREPARE AND SUBMIT TWO (2) SIGNED AND SEALED COPIES OF THE BUILDING PLANS, LOAD CALCULATIONS, DESIGNS FOR BRACING, CONNECTIONS TO CONCRETE FOUNDATION ALREADY IN PLACE.
2. PLANS TO BE SIGNED AND SEALED BY NJPE; OWNER WILL THEN SUBMIT DOCUMENTS TO LOCAL CONSTRUCTION OFFICIAL FOR PERMIT ISSUANCE PRIOR TO RELEASE OF SHOP DRAWINGS FOR FABRICATION.
3. THIS BUILDING SHALL BE ANCHORED TO THE FILTER VESSEL CONCRETE FOUNDATION SLAB STRUCTURE THAT WAS DESIGNED TO ACCOMMODATE FOR ENTIRE LOADING OF THIS POLE BARN PLUS THE 326,000 POUND FILTER SYSTEM.
4. DESIGN SHOULD ACCOMMODATE FOR DRILLED IN ANCHORS TO RESIST PULL–OUT, WIND LOADS AND ANY UPLIFT CONCERNS.
5. SITE: 25’–6” DEEP X 40’–0” LONG X 25’ EAVE HEIGHT.

NOTES TO BUILDING INSTALLER:

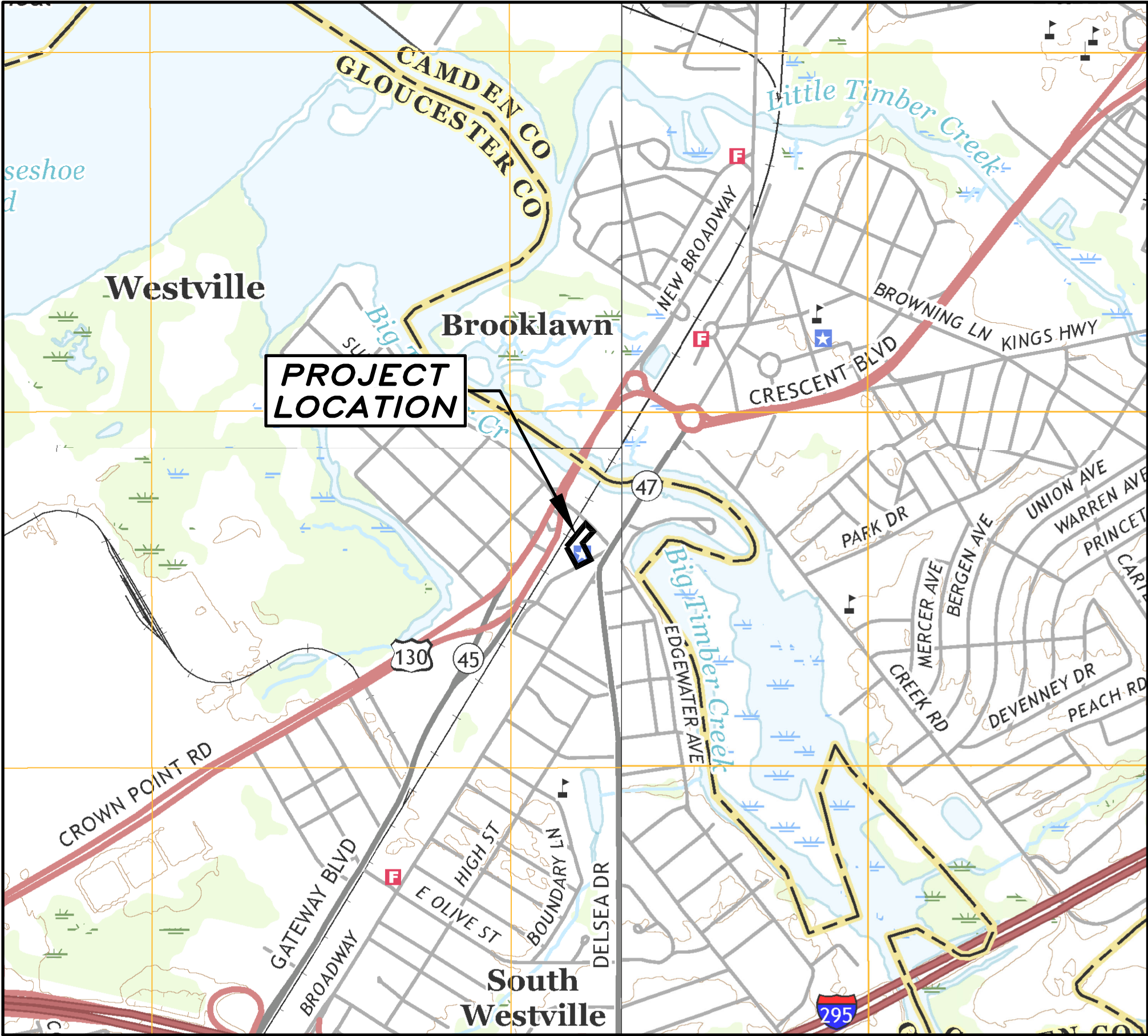
1. OWNER WILL REQUIRE BUILDING INSTALLER TO FIRST DESIGN, SIGN, AND SEAL BUILDING PLANS INCLUDING THE SUBMITTAL OF LOAD CALCULATIONS AND FOUNDATION CALCULATIONS FOR USING ANCHOR BRACKETS DRILLED INTO NEW CONCRETE SLAB SUPPORTING THE NEW FILTER VESSELS AND EQUIPMENT.
2. BUILDING INSTALLER WILL FABRICATE ALL MATERIALS, DOORS, MOTORS, BRACKETS, GUTTERS, DOWNSPOUTS, ETC., AND INSTALL SSR ROOF WITH $\frac{1}{2}$ ” PLYWOOD SHEATHING WITH ICE n WATHER SHIELD / 30 POUND FELT UNDERLAYER.
3. ONCE SHELL IS COMPLETE AND ROOF IS SEALED AND GUTTERS ARE INSTALLED, BUILDING INSTALLER SHALL DEMOBILIZE FOR 7–DAYS TO GIVE THE OWNER’S ELECTRICIAN AMPLE TIME TO COMPLETE ALL ELECTRICAL ROUGH–IN TASKS TO POWER UP THE TWO OVERHEAD DOORS, INSTALL LIGHTS, SWITCHES, EMERGENCY EXIT LIGHTS, EXTERIOR LIGHTING, SMOKE AND FIRE DETECTION, ETC.
4. BUILDING INSTALLER WILL THEN RETURN AFTER 7–CALENDAR DAYS TO INSTALL ALL BATT AND BLOWN–IN INSULATION ON THE WALLS AND CEILING AND THEN INSTALL FINISH INTERIOR METAL WALLS AND CEILING WITH ONE ATTIC ACCESS PANEL.
5. ATTIC SPACE WILL BE EQUIPPED WITH TWO (2) STANDARD GABLE VENTS WITH BIRD SCREENING. ROOF SHALL HAVE A CONTINUOUS RIDGE VENT BUILT–INTO THE SSR ROOF.
6. BUILDING INSTALLER UNDERSTANDS THE SCOPE OF WORK THAT INCLUDES PARTIAL ROOF DEMOLITION ON THE ORIGINAL BRICK CHLORINATION ROOM, SO THE NEW METAL BUILDING MAY ATTACH TO THIS BLOCK WALL BRICK STRUCTURE, AS DRAWN.
7. BUILDING INSTALLER SHALL MODIFY THE DESIGN TO INCLUDE FLASHING AND WATERPROOFING MEMBRANE ON THE EXISTING CHLORINATION BUILDING FLAT ROOF, SO THE NEW METAL BUILDING WALL INTERSECTS WITH THE EXISTING FLAT ROOF, TO PREVENT ANY WATER INTRUSION BETWEEN STRUCTURES.
8. BUILDING INSTALLER SHALL PROVIDE FLASHING AND TRIM WORK TO PROPERLY CONNECT THE NEW BUILDING WALLS TO BOTH ENDS OF THE BRICK CHLORINATION BUILDING, THUS PROVIDING A WATER–PROOF CONNECTION. THIS IS A ‘DESIGN/BUILD’ PERFORMANCE SPECIFICATION, REQUIRING THE BUILDING INSTALLER TO DETERMINE THE MOST FEASIBLE AND ECONOMICAL PROCEDURE TO SAFELY AND EFFECTIVELY CONNECT THE NEW METAL BUILDING TO THE BRICK CHLORINATION BUILDING, ALONG THE FLAT ROOF AND THE TWO (2) BUILDING CORNERS.

ROOF & TRUSSES:

1. FURNISH AND INSTALL TRUSS SYSTEM, 24–INCH O.C. TYPICAL ROOF LOADING TO INCLUDE NJ IBC CODE COMPLIANCE FOR DEAD LOAD AND SNOW LOAD.
2. L.S. CONTRACT REQUIRES FURNISHING AND INSTALLATION A 26–GA. STANDING SEAM ROOF, 1–INCH TALL RIBS, CLIP TECHNOLOGY, WITH $\frac{1}{2}$ ” PLYWOOD SHEATHING, ICE n WATER SHIELD AND 30–LB FELT UNDERLAYER, OR BETTER.
3. BEFORE INSTALLING ENTIRE ROOF STRUCTURE, FURNISH AND STAPLE DOUBLE BUBBLE VAPOR WRAP ACROSS ENTIRE SURFACE AREA OF 3:12 PITCH TRUSS ROOF SYSTEM.
4. 4. INSTALL STIROFOAM BLOCKING AT TRUSS ENDS FOR VENTING AND STOPPING BLOW–IN INSULATION.
5. ONCE SSR IS INSTALLED, FURNISH AND INSTALL SNOW GUARDS. FURNISH ONE FULL ROW ACROSS THE ENTIRE SIDE OF THE ROOF, EACH SIDE.

INTERIOR WALLS AND INSULATION:

1. L.S. CONTRACT REQUIRES FURNISHING AND INSTALLATION OF 28 GA. INTERIOR WHITE WALL PANELS WITH R–21 BATT INSULATION. PROVIDE ALL WHITE WITH F–CHANNEL.
2. L.S. CONTRACT REQUIRES FURNISHING AND INSTALLATION OF DOUBLE BUBBLE VAPOR WRAP ACROSS THE ENTIRE ROOF STRUCTURE TO REDUCE CONDENSATION INSIDE THE BUILDING, NO EXCEPTIONS.
3. ONCE ROOF IS COMPLETE, ELECTRIC ROUGH–IN IS DONE, FURNISH AND INSTALL ATTIC ACCESS HATCH, 28 GA. WHITE METAL CEILING, AND R–21 BLOWN–IN INSULATION.
4. ON RETURN, PREPARE TO CUT ALL PENETRATIONS IN METAL FOR UP TO TWELVE (12) BOXES, WALLS/CEILING.



LOCATION MAP

SCALE: 1”=1000’

HIGH VOLTAGE PROXIMITY ACT

1. THE CONTRACTOR IS NOTIFIED THAT ALL PROVISIONS OF THE HIGH–VOLTAGE PROXIMITY ACT, P.L. 1948, c. 249 AS AMENDED THROUGH MAY 20, 1987 SHALL BE STRICTLY ADHERED TO. THE CONTRACTOR SHALL ALSO ADHERE TO ALL PROVISIONS OF PART 1926.550, SUBPART N OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF DECEMBER, 1970. PARTICULAR ATTENTION IS DIRECTED TO THE PROVISIONS OF THE ABOVE ACT REQUIRING WARNING SIGNS, NOTIFICATION TO POWER COMPANIES AND RESPONSIBILITY FOR SAFEGUARDS AND PROHIBITED ACTIVITIES.
2. A COPY OF THE HIGH VOLTAGE PROXIMITY ACT IS AVAILABLE IN THE OFFICE OF THE COUNTY ENGINEER OR MAY BE OBTAINED FROM THE NEW JERSEY DEPARTMENT OF LABOR, DIVISION OF WORKPLACE STANDARDS, OFFICE OF SAFETY COMPLIANCE, CN 386, TRENTON, NEW JERSEY 08625–0386

INDEX OF SHEETS

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ORIGINAL DATE: LAST REVISION:

9/14/2026
9/14/2026
9/14/2026
9/14/2026
9/14/2026

COOPERATION WITH OWNER’S ELECTRICIAN:

1. THIS POLE BARN REQUIRES ELECTRICAL ROUGH–IN WORK, WHICH WILL BE DONE BY THE OWNER’S LICENSED ELECTRICIAN.
2. BUILDING INSTALLER SHALL, WITHIN HIS OR HER L.S. PRICE, INCLUDE ONE DE–MOBILIZATION AND RE–MOBILIZATION COST, TO LEAVE FOR 7–CALENDAR DAYS, ONCE THE EXTERIOR SHELL, ROOF, OHDs, AND MAN–DOORS, ARE 100–PERCENT COMPLETE.
3. DURING THE 7–DAY DEMOBILIZATION, THE OWNER WILL DIRECT THE ELECTRICIAN, UNDER A SEPARATE PERMIT, FURNISH AND INSTALL:
 - a. ROUGH–IN FOR 30–AMP SUB–PANEL MOUNTED ON INTERIOR PLYWOOD WALL ON RIGHT SIDE.
 - b. ROUGH–IN MC CABLE EXTENSIONS THRU ANNULAR SPACE OF INTERIOR WALLS, TO SERVICE CEILING PENDANT LED LIGHTS, WALL SWITCHES, WALL–MOUNTED OHD MOTORS FOR DOORS, AT 10–FT M.H., EXIT LIGHTS, EMERGENCY LIGHTS, SMOKE & FIRE DETECTORS, EXTERIOR WALL PACK LIGHTS.
4. ONCE ALL ROUGH–IN WORK IS COMPLETE, R.E. WILL CONTACT BUILDING INSTALLER AND REQUEST RE–MOBILIZATION TO FINISH ALL INSULATION OF WALLS AND ATTIC SPACE, INSTALL METAL CEILING PANELS, ATTIC ACCESS HATCH, BATT INSULATION OF ALL FOUR WALLS, AND INTERIOR METAL WALLS, COMPLETE.
5. THIS L.S. CONTRACT INCLUDES COSTS TO COMPLETE R–21 BATT INSULATION ON ALL WALLS AND R–21 BLOWN–IN INSULATION ON THE CEILING.
6. BAFFLES SHALL BE INSTALLED TO PROHIBIT ANY BLOWN–IN INSULATION TO BLOCK AIR FLOW FROM THE EAVE SOFFITS.
7. ONCE COMPLETE, BUILDING INSTALLER WILL REQUEST BUILDING INSPECTIONS FOR RELEASE OF FINAL PERMIT.

UTILITY CONTACTS

WESTVILLE WATER AND SEWER DEPARTMENT
114 CROWN POINT ROAD
WESTVILLE, NJ 08093

ATLANTIC CITY ELECTRIC
428 ELLIS STREET
GLASSBORO, NJ 08028

VERIZON
10 TANSBORO ROAD
FLOOR 2, ENGINEERING
BERLIN, NJ 08009

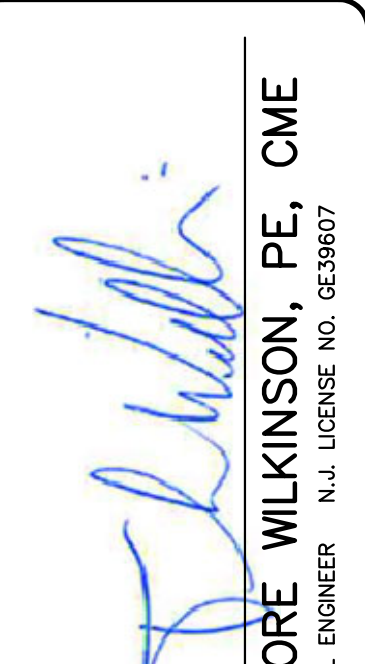
COMCAST CABLE
1250 HADDONFIELD–BERLIN ROAD
CHERRY HILL, NJ 08034

PSE&G – GAS
535 WEST NICHOLSON ROAD
AUDUBON, NJ 08106

PSE&G – ELECTRIC
300 NEW ALBANY ROAD
MOORESTOWN, NJ 08057

NEW JERSEY AMERICAN WATER
1025 LAUREL OAK ROAD
VOORHEES, NJ 08043

GLOUCESTER COUNTY UTILITIES AUTHORITY
2 PARADISE ROAD
WEST DEPTFORD, NJ 08066


THEODORE WILKINSON, PE, CME
PROFESSIONAL ENGINEER N.J. LICENSE NO. 6C9607

CHECKED BY:	
BY:	
REVISIONS	
DATE	
NO.	

COVER SHEET
GAC FILTER POLE BARN
BLOCK 18, LOTS 3, 4, & 5
114 CROWN POINT ROAD
WESTVILLE BOROUGH, COUNTY OF GLOUCESTER, STATE OF NEW JERSEY

BRYSON & YATES
CONSULTING ENGINEERS, LLC
307 Greentree Road, Sewell, New Jersey 08080
Phone: (856) 589-1400 Fax: (856) 582-1776
NJ Cert. of Authorization No. 24642842400



JOB NO.:	23302
DATE:	09/14/2026
SCALE:	AS SHOWN
DRAWN BY:	T.W.
CHECKED BY:	T.W.

SHEET:
1 OF 5

PWSID No. NJ0821001
PERMIT APPLICATION No. WCP240002

CONRAIL
(FORMERLY P.R.S.L.)
MILLVILLE BRANCH

BLOCK 18
LOT 3
N/F BOROUGH OF WESTVILLE

BLOCK 18
LOT 1
N/F BC PROPERTY MANAGEMENT LLC
DB5725, P300

RIVER DRIVE
50' WIDE R.O.W.

NOTES:

1. CUT BACK ROOF FIRST
2. DIG HOLES TO AVOID HITTING THE TWO 10-INCH PIPES AND THE 6-INCH PIPE
3. STOP IF THE PIPES ARE IN POST HOLE AND CONTACT R.E.
4. LAY-OUT ALL ANCHOR LOCATIONS ON TOP OF CONCRETE SLAB.
5. PLAN ON USING MAG DRILL TO CUT THRU No. 7 REBAR IN SLAB STRUCTURE TO DRILL ANCHORS
6. DELIVER EXTRA LONG POSTS FOR BACK RIGHT CORNER, 20-FT OF WALLS, TO ACCOUNT FOR CRAWL SPACE AREA.
7. FLASH AND MEMBRANE SEAL FLAT ROOF WHEN DONE INTERCONNECTING NEW AND OLD BUILDINGS.
8. PROVIDE MATERIALS USING PVC TRIM TO SEAL TWO INTERFACES ALONG BRICK WALLS BOTH SIDES.

IN BACK OF BUILDING; FURNISH FULL DEPTH POSTS FOR 36-INCH FTG BURY; SAW-CUT OPEN 4-INCH THICK CONCRETE SIDEWALKS AT EACH POST LOCATION, TO DRILL DOWN TO BUILD 30-INCH DIAMETER FTG & BACKFILL; THEN RESTORE DISTURBED CONCRETE SIDEWALK AT EACH HOLE

ON FRONT, SIDES OF BUILDING; DRILL ALL HOLES FOR ANCHORS USING 'MAG' DRILL TO CUT THRU HEAVY REBAR IN REINFORCED SLAB

INSTALL:
STANDARD ATTIC ACCESS
FRAME & HATCH;

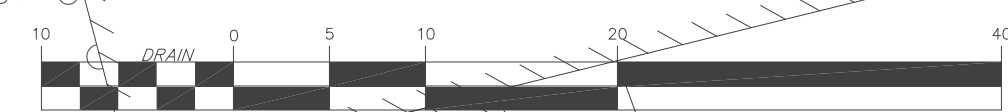
DEMOLISH:
SHADED PORTION OF FLAT ROOF
OVERHANG ON FRONT SIDE OF
BRICK BLDG; BUILD NEW
STRUCTURE ATOP BLOCK WALL
FOR SUPPORT OF POLE BARN;
FLASH & LAY-DOWN EPDM
MEMBRANE & SEAL FLAT ROOF

CRAWL SPACE:
20-FT OF BUILDING PERIMETER
SHALL BE OPEN AT BOTTOM;
OWNER WILL FILL-IN BELOW
METAL BASE/SKIRT WITH WHITE
PVC LATTICE; FURNISH EXTRA
LONG POSTS TO ACCOUNT FOR
EXTRA DEPTH OF 36-INCHES FOR
BURY.

INSTALL:
(1) 6'x8' ALUM. ROLL-UP DOOR
(2) 10'x10' WHITE INSULATED
OVERHEAD DOORS W/
VERTICAL ROLLERS;
SIDE-MOUNT MOTOR OPERATORS;
BELT DRIVE, WITH REMOTE.

CONSTRUCT:
25'-6" x 40' x 25' EAVE HEIGHT
POLE BARN W/ 3:12 PITCH ROOF

GRAPHIC SCALE



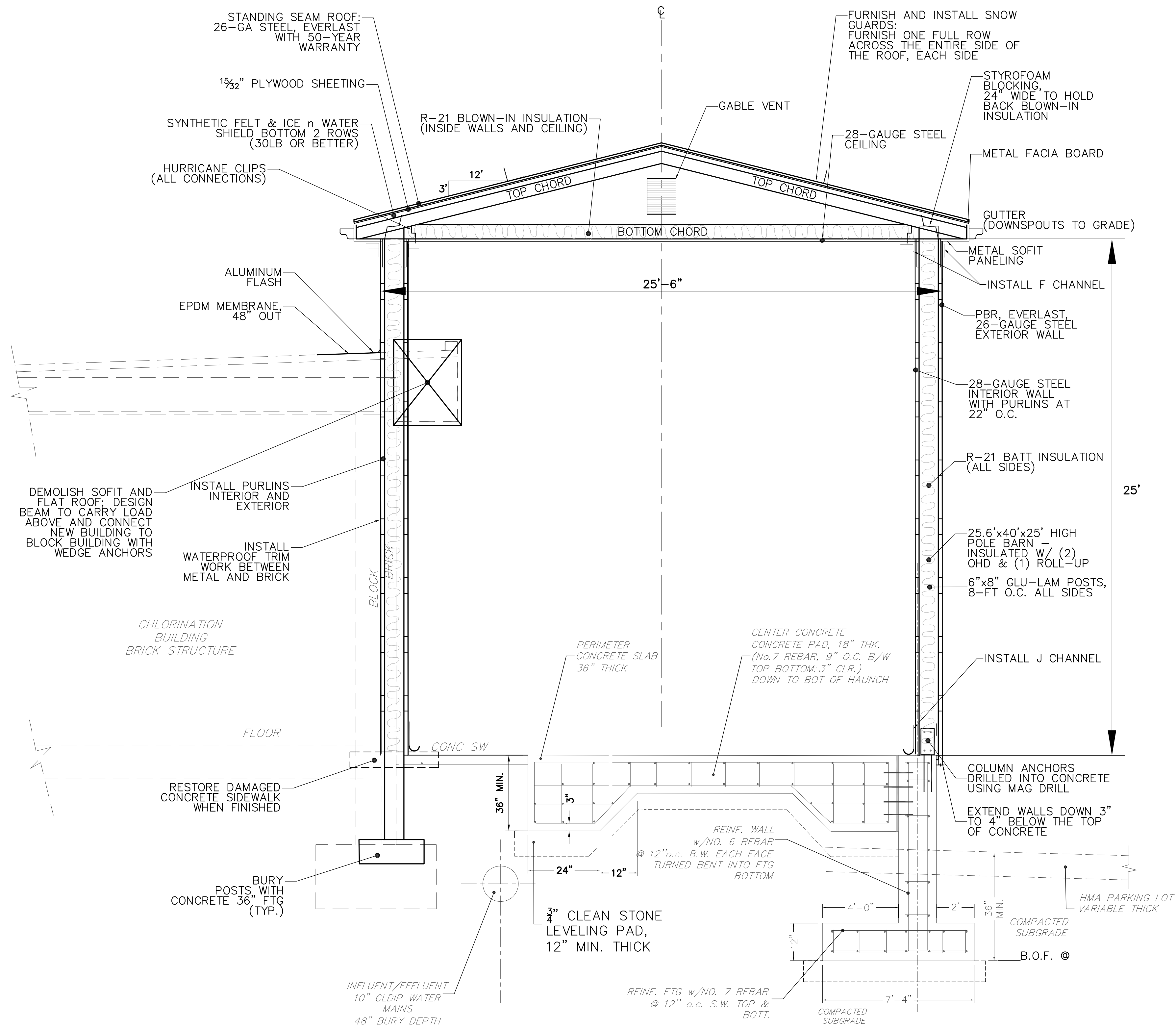
CONSTRUCTION PLAN
GAC FILTER POLE BARN
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114 CROWN POINT ROAD
WESTVILLE BOROUGH, COUNTY OF GLOUCESTER, STATE OF NEW JERSEY

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NJ Cert. of Authorization No. 246A2832400

JOB NO.: 23302
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SCALE: AS SHOWN
DRAWN BY: J.E.K.
CHECKED BY: T.W.

SHEET:
3 OF 5

THEODORE WILKINSON, PE, CME
PROFESSIONAL ENGINEER N.J. LICENSE NO. 6259607



SECTION B-B
N.T.S.

Theodore Wilkinson
THEODORE WILKINSON, PE, CME
PROFESSIONAL ENGINEER N.J. LICENSE NO. 6E9607

CHECKED BY	
BY	
REVISIONS	
DATE	
NO.	

CONSTRUCTION DETAILS
GAC FILTER POLE BARN
BLOCK 18, LOTS 3, 4, & 5
114 CROWN POINT ROAD
WESTVILLE BOROUGH, COUNTY OF GLOUCESTER, STATE OF NEW JERSEY

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