

Deborah M. Franco, Esq.
Director, Regulatory Affairs Counsel

December 19, 2019

Electronic Filing & Overnight Delivery

Aida Camacho-Welch
Office of the Secretary
NJ Board of Public Utilities
44 South Clinton Avenue, 3rd Floor
P. O. Box 350
Trenton, NJ 08625-0350

Re: In the Matter of the Petition of South Jersey Gas Company for Authorization to Construct and Operate Distribution Main Pursuant to N.J.A.C. 14:7-1.4 BPU Docket No. _____

Dear Secretary Camacho-Welch:

Enclosed please find original and two (2) “courtesy” copies of the Petition and Exhibits, which has also been filed electronically utilizing the Board’s e-filing Program.

Please do not hesitate to contact me with any questions you may have. Thank you for your attention to this matter.

Respectfully submitted,



Deborah M. Franco

DMF:caj
Enclosures

cc: Stacy Peterson, Director (BPU Staff) (2 copies)
Stefanie A. Brand, Esq., Director (Division of Rate Counsel) (5 copies)
Renee Greenberg, Esq. (Department of Law) (2 copies)
James Giuliano (BPU-Safety & Reliability) (1 copy)
Joseph Costa (BPU-Safety & Reliability) (1 copy)
Juan Urena (BPU-Safety & Reliability) (1 copy)

**STATE OF NEW JERSEY
BOARD OF PUBLIC UTILITIES**

**IN THE MATTER OF THE PETITION :
OF SOUTH JERSEY GAS COMPANY :
FOR AUTHORIZATION TO CONSTRUCT :
AND OPERATE DISTRIBUTION :
MAIN PURSUANT TO N.J.A.C. 14:7-1.4 : DOCKET NO. _____**

PETITION AND EXHIBITS

Deborah M. Franco, Esq.
Director, Regulatory Affairs Counsel
SJI Utilities, Inc.
520 Green Lane
Union, New Jersey 07083

STATE OF NEW JERSEY
BOARD OF PUBLIC UTILITIES

IN THE MATTER OF THE PETITION : PETITION
OF SOUTH JERSEY GAS COMPANY :
FOR AUTHORIZATION TO CONSTRUCT : DOCKET NO.
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MAIN PURSUANT TO N.J.A.C. 14:7-1.4 :

TO THE HONORABLE COMMISSIONERS OF THE BOARD OF PUBLIC UTILITIES

I. INTRODUCTION

In accordance with N.J.A.C. 14:7-1.4, South Jersey Gas Company (“South Jersey”, “Petitioner”, or the “Company”), a public utility corporation of the State of New Jersey with its principal office at One South Jersey Place, Atlantic City, New Jersey, requests that this Honorable Board of Public Utilities (the “Board”) grant approval, on an expedited basis, to install a new, approximately 9-mile natural gas distribution main (the “Project”). The Project will consist of approximately 7.1 miles of 16-inch diameter main and approximately 1.6 miles of 8-inch diameter main, with an alignment that will run through the City of Vineland, Cumberland County, New Jersey. As discussed in this Petition, the proposed Project is critical to ensuring the continuation of safe and reliable service to South Jersey’s customers. In support of this Petition, South Jersey states as follows:

1. South Jersey is engaged in the transmission, distribution, transportation, and sale of natural gas within its defined service territory in the State of New Jersey. South Jersey’s service territory includes all or portions of the following counties: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester and Salem. Within its service territory, South Jersey serves

approximately 393,000 customers. The Company operates a network of 146.3 miles of transmission pipelines, 6,551 miles of distribution mains, and 315,475 service lines that total 6,697.3 miles in length.

2. South Jersey is obligated to ensure that it is able to provide safe, adequate and proper natural gas service to meet the current and future demand needs within its defined service territory.

3. Communications and correspondence concerning this Petition should be sent as follows:

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4. Attached hereto and made a part hereof are the following Exhibits:
- i. **Exhibit A** - Technical Design Specifications which contain a detailed description of the proposed Project;
 - ii. **Exhibit B** - Project Drawings;
 - iii. **Exhibit C** – Alternative Route Drawings;
 - iv. **Exhibit D** – List of Structures Within 100 Feet; and
 - v. **Exhibit E** – Form of Public Notice

II. PROJECT DESCRIPTION

5. N.J.A.C. 14:7-14 requires the prior authorization and approval from the Board for the construction and operation of any natural gas pipeline to be operated in excess of 250 pounds per square inch gauge (psig), which pipeline is to be located within 100 feet of any building intended for human occupancy.

6. The proposed Project will consist of a new approximately 9-mile natural gas distribution main that will include approximately 7.1 miles of 16-inch diameter main and approximately 1.6 miles of 8-inch diameter main. The alignment will run through the City of Vineland, Cumberland County, New Jersey. South Jersey anticipates initiating construction of the Project during the 2nd Quarter of 2021 with an in-service date in the 2nd Quarter of 2023. The Project will pass through the City of Vineland along county and municipal road rights-of-way commencing at a location in the City of Vineland and ending in the connection to the Company's 700 psig pipeline system in the vicinity of the Union Road Regulator Station in the City of Vineland. The 16-inch diameter distribution main will be designed, constructed, tested and certified for a maximum allowable operating pressure of 700 psig. The 8-inch diameter distribution main will be designed, constructed, tested and certified for a maximum allowable operating pressure of 350 psig. A detailed description of the Project's technical design specifications is attached hereto as Exhibit "A", with Project drawings contained in Exhibit "B".

7. For the 16-inch diameter natural gas distribution main, there are 366 structures for human occupancy within 100 feet of the proposed Project, including approximately 302 residential structures and 64 commercial structures. For the 8-inch diameter natural gas distribution main, there are 63 structures for human occupancy, including approximately 50 residential structures and 13 commercial structures. A list of each structure within 100 feet of the

proposed Project is attached as Exhibit D and includes the lot and block number, addresses and distance from the proposed Project.

8. The proposed Project will connect a South Jersey-owned liquefied natural gas (“LNG”) facility to be located in Vineland, New Jersey (“Vineland LNG Facility”) to the Company’s existing system. The Vineland LNG Facility will consist of a 2 BCF storage, liquefaction and vaporization plant located at the geographic center of South Jersey’s system in Vineland, New Jersey. South Jersey anticipates the Vineland LNG Facility to be in service by the 3rd Quarter of 2023. The Vineland LNG Facility represents a non-pipeline redundancy solution that is critical to ensuring that the Company can continue to provide safe and reliable service without interruption in the event of a major pipeline failure. Thus, the proposed Project is vital to guarding against the threat of an outage on a peak design day caused by a disruption in pipeline service. In addition to providing necessary redundancy benefits, the Vineland LNG Facility is expected to facilitate job creation and economic development and has local government and community support in the City of Vineland.

III. THE NEED FOR THE PROJECT

9. South Jersey is the provider of last resort to over 390,000 customers, the majority of which represent households and businesses that depend on safe and reliable service to meet their heating needs and for other critical applications such as cooking and hot water heating. Throughout the Company’s service territory, dozens of schools, hospitals, first responders and government buildings count on the Company to support their vital operations.

10. South Jersey is obligated to ensure that it is able to provide safe, adequate and proper natural gas service to meet customer demand needs and manage against the loss of gas

supply in a manner that enables the Company to provide service to all its firm customers under all load conditions.

11. In the last several years, various incidents have occurred that support the need for gas utilities to implement system redundancy measures to address the concern of risk of potential off-system pipeline failures, including one that significantly impacted New Jersey which occurred near Delmont, Pennsylvania in April, 2016. That incident, which occurred on the Spectra Energy Texas Eastern Pipeline system (“Spectra”), resulted in a force majeure event lasting 20 days that impacted a considerable portion of the eastern areas, including 3 New Jersey utilities.

12. In response to the Spectra incident, the Board convened two table top exercises, “Pilot Light” in 2017 and “Pilot Light 2” in 2019, to model the impact of a comparable interstate pipeline failure on the distribution systems of New Jersey gas utilities. These table top exercises demonstrated that a major pipeline incident could have profound effects on natural gas customers, with over 600,000 customer outages lasting up to six weeks. These table tops support the need for more diverse gas supplies to achieve adequate system redundancy.

13. South Jersey is particularly vulnerable to a significant off-system event because of its reliance on gas supplies delivered by only two interstate pipelines through eight city gate stations located along the northern and western edge of the Company’s service territory: Transcontinental Gas Pipeline Company, LLC and Columbia Gas Transmission, LLC. Adding to this vulnerability is the fact that both suppliers feed into the northwest portion of South Jersey’s service territory, far from the Company’s largest areas of customer base to the east and southeast resulting in long critical pipelines within our service territory.

14. The Company estimates that the loss of interstate supply during peak day usage could result in 130,000 to 248,000 customer outages. Restoration costs and associated impacts to local communities, business, essential service and local governments are of particular concern with outages of these magnitude.

15. South Jersey has the obligation to serve its firm customers under all load conditions. Thus, the risk associated with the loss of supply from one or both of the interstate pipelines supplying the Company's distribution system must be addressed in a manner that most effectively mitigates the impact on South Jersey's customers. As explained above, the proposed Project is critical to ensuring an adequate gas supply on even the coldest days and will enable South Jersey's gas distribution system to safely and reliably operate to satisfy customer demands throughout South Jersey's service areas in the event of a disruption in pipeline service on a peak day.

IV. PROJECT SPECIFICATIONS

16. Pursuant to N.J.A.C. 14:7-1.18, this Petition constitutes notice to the Board setting forth the Project specifications. The Project will comply with all applicable Federal and State requirements as well as South Jersey's independent standards.

17. The Project will be fully contained within the limits of the City of Vineland, Cumberland County. As noted above, the Project will consist of an approximate 9-mile natural gas distribution main, including approximately 7.1 miles of 16-inch diameter main and approximately 1.6 miles of 8-inch diameter main. An overview map of the Project, including the proposed route as well as detailed plan drawings are attached hereto as Exhibit "B".

18. The Project will be constructed in accordance with N.J.A.C. 14:7-1.1 *et seq.* and the Federal Regulations applicable to Transportation of Natural and Other Gas by Pipeline, Part 192, Title 49 of the Code of Federal Regulations. Specifically, for the 16-inch main, the material for open trench construction for this Project will consist of carbon steel welded pipe with 0.500-inch wall thickness. The 16-inch main will be manufactured in accordance with the applicable American Petroleum Institute (“API”) Standard 5L with a specified minimum yield strength (“SMYS”) of 65,000 pounds per square inch (“psi”) and a minimum yield strength of 65,000 psi. For the 8-inch main, the material for open trench construction for this Project will be consist of carbon steel welded pipe with 0.277-inch wall thickness. The 8-inch main will be manufactured in accordance with the applicable API Standard 5L with SMYS of 52,000 psi and a minimum yield strength of 52,000 psi.

19. Both the 16-inch and 8-inch distribution mains will primarily be externally coated with Pritec, an extruded polyethylene jacket (40 mils) applied over a butyl rubber mastic adhesive (10 mils) and protected against corrosion by an impressed current cathodic protection system. In localized areas where the method of installation will be by HDD, the pipe will have a corrosion protection coating of 14-16 mils of Fusion Bond Epoxy covered by an additional outer mechanical protective coating of 40 mils of Powercrete. The distribution main will be subject to 100 percent non-destructive radiographic inspection testing on all field welds. Further detailed project specifications are included in Exhibit “A”.

20. The Project, which is designed for a Class 4 Location, will be designed and constructed in compliance with the requirements of N.J.A.C. 14:7-1.3 and 49 C.F.R. 192.150, including inspection accessibility and remote operating valves in accordance with 49 C.F.R. 192.935.

21. Pursuant to N.J.A.C. 14:7-1.14, post-construction but pre-service, the 16-inch distribution main will be hydrostatically pressure tested to at least 1,050 psig for a 24 hour period in conformance with all applicable Federal and State requirements. This will stress the 16-inch (.500 wall) pipe to 25.85% of SMYS. Pursuant to N.J.A.C. 14:7-1.14, post-construction but pre-service, the 8-inch distribution main will be hydrostatically pressure tested to at least 525 psig for a 24 hour period in conformance with all applicable Federal and State requirements. This will stress the 8-inch (.277 wall) pipe to 14.58% of SMYS. Certification of a successful post-construction hydrostatic pressure test will be submitted in compliance with N.J.A.C. 14:7-1.14 and 1.26.

22. The Project will be located within the public rights-of-way and will be constructed in roadways under the jurisdiction of the following municipalities and county:

- 16-inch distribution main
 - Cumberland County, 7.1 miles (100%)
 - Elm Road
 - S. Delsea Drive
 - W. Elmer Road
 - E. Elmer Road
 - S. Main Road
 - S. Spring Road
 - Dante Ave
- 8-inch distribution main
 - Cumberland County, 1.6 miles (100%)
 - Elm Road

- S. Orchard Road

23. As noted above, South Jersey is prepared to begin construction at the start of the 2nd Quarter of 2021 and complete the Project in the 2nd Quarter of 2023.

V. APPROVALS

24. The proposed Project requires the following approvals and applications:
- a. Utility Highway Occupancy/Road Opening Permits from Cumberland County;
 - b. An application for Certification of its Soil Erosion and Sediment Control Plan to the Cumberland County Soil Conservation District; and
 - c. Local planning/zoning land use approvals, as needed, from the City of Vineland.

VI. ALTERNATIVES ANALYSIS

25. The company analyzed three possible routes for the 16-inch distribution main portion of the Project, as depicted in the map attached hereto as Exhibit “C”, including the following:

- Primary Route: Elmer Road
 - Approximately 7.1 miles along Elm Road and W. Elmer Road from S Mill Road to Union Road. Along this route is a total of 366 units within 100 feet of the project alignment including four churches, a credit union, family entertainment center, a preschool and two senior centers.
- Alternative Route A: Grant Ave
 - Approximately 8.0 miles along Elm Road, S Orchard Road, Garrison Road, Delsea Drive, Grant Ave, Lincoln Ave, and Dante Ave from S Mill Road to Cornucopia Ave. Along this route is a total of 388 units within 100 feet of the project alignment including four churches, NJ Army National Reserve, drive in movie theater, an independent living facility, a school, and a temple.

- Alternative Route B: Sherman Ave
 - Approximately 8.75 miles along Elm Road, S Orchard Road, Sherman Ave, Hance Bridge Road, Panther Road, and Dante Ave from S Mill Road to Cornucopia Ave. Along this route is a total of 401 units within 100 feet of the project alignment including three churches, a school, multiple office buildings and a funeral home.

Elmer Road, the Primary Route, was selected as the best route for the 16-inch distribution main part of the Project due to fewer occupied buildings in close proximity and the shortest overall distance. There was no alternative route analysis done for the 8-inch distribution main portion of the Project due to the small length relative to the overall Project scope.

VII. PUBLIC PARTICIPATION

26. In anticipation of a public hearing to be held in the area of the Project, South Jersey has prepared a list depicting all structures within 100 feet of the Project's path, including the addresses as well as block and lot numbers, distance from the Project, survey stations and references to alignment drawings. As noted above, this list is attached hereto as Exhibit "D".

27. Once a public hearing is scheduled, South Jersey will publish notice of this Petition and of the public hearing in a local newspaper and serve written notice of the public hearing upon owners of the properties identified in Exhibit "D", as well as on local officials in the City of Vineland.

28. A copy of the proposed form of public notice is attached hereto as Exhibit "E".

VIII. REQUEST FOR EXPEDITED RELIEF

29. As explained above, the Project will allow the Company to ensure an adequate gas supply during peak periods and enable South Jersey's gas distribution system to safely and

reliably operate to satisfy customer demands throughout South Jersey's service areas in the event of a disruption in pipeline service. To ensure that the Project is completed without delay, South Jersey respectfully requests expedited review of this Petition. This will help facilitate the continuation of safe and reliable service to South Jersey customers in the immediate future and for the years to come.

IX. CONCLUSION

For the reasons stated above, South Jersey requests that the Board:

- A. Retain jurisdiction over this matter and designate a Commissioner as Presiding Officer;
- B. Approve South Jersey's request to construct and operate the approximately 9-mile long natural gas distribution main consisting of approximately 7.1 miles of 16-inch distribution main and approximately 1.6 miles of 8-inch distribution main in Cumberland County, as herein described;
- C. Approve South Jersey's request for expedited treatment; and
- D. Approve any other relief deemed just and equitable.

Respectfully submitted,

South Jersey Gas Company

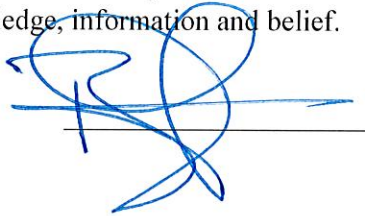
By: Deborah M. Franco, Esq.
Director, Regulatory Affairs Counsel
SJI Utilities, Inc.

Dated: December 19, 2019

VERIFICATION

Brent Schomber of full age, being fully sworn according to law, on his oath, deposes and says:

1. I am employed by SJI Utilities, Inc. as Vice President, Operations with oversight responsibilities for South Jersey Gas Company.
2. I am authorized to make this Verification on behalf of South Jersey Gas Company.
3. I have reviewed the foregoing Petition and verify that the information contained therein is true and correct to the best of my knowledge, information and belief.



Sworn to and subscribed before me

This 9 day of December, 2019.

CAROLYN A. JACOBS

NOTARY PUBLIC OF NEW JERSEY

My Commission Expires October 28, 2023

EXHIBIT A
SPECIFICATIONS AND CODE REQUIREMENTS

16" AND 8" PIPELINE THROUGH CITY OF VINELAND IN CUMBERLAND
COUNTY, NEW JERSEY

49 CFR PART 192 - Transportation of Natural Gas and Other Gas by Pipeline:
Minimum Federal Safety Standards

N.J.A.C. 14:7 Natural Gas Pipelines

Class Location -USDOT 192.5/NJAC 14:7-1.3

South Jersey Gas Company's Standard criteria is to design all pipelines for Class 4 locations. The design of the pipeline shall be for Class 4 locations and shall comply with NJAC 14:7-1.3. The actual class locations include Class 1, Class 2 and Class 3 as defined by USDOT 192.5.

16" PIPE INSTALLED VIA OPEN TRENCH

Pipe Specification -USDOT 192.55

The 16" pipe shall be API 5L, Grade X-65, electric resistance welded, 0.500" wall thickness.

Design Operating Pressure -USDOT 192.105

Class 4 Location (Design Criteria):

Design Factor	F = 0.40
Longitudinal Joint Factor	E = 1.0 (ERW)
Temperature Factor	T = 1.0 (250 degrees F. and less)
Min. Yield Strength	S = 65,000 psi

Design Pressure "P" for 16" Pipe (0.500 Wall)

Outside Diameter	D = 16.000"
Wall Thickness	t = 0.500"

Formula

$$P = \frac{2St}{D} \times F \times E \times T$$

$$P = \frac{2(65,000) \times (0.500)}{16.000} \times 0.40 \times 1.0 \times 1.0 = 1,625.00 \text{ psig}$$

In accordance with API-5L table 26 for Pipe Grade between X42 to X120 of diameters between 8.625 inches to 20.000 inches per footnote b where “It is not necessary that the test pressure exceed 2970 psi”, the pipe was pressure tested to at least 2970 psig at the pipe mill. The Project Pipeline will be designed, constructed and certified to Class 4 requirements with a MAOP of 700 psig. The percent of yield strength at this pressure is:

Formula

$$\text{Operating Stress} = \frac{PD}{2t}$$

$$\text{Operating Stress (0.500 Wall)} = \frac{(700) \times (16)}{2(0.500)} = 11,200.00 \text{ psi}$$

$$\% \text{ Yield (0.500 Wall)} = \frac{11,200}{65,000} \times 100 = 17.23\% \text{ at MAOP}$$

8” PIPE INSTALLED VIA OPEN TRENCH

Pipe Specification -USDOT 192.55

The 8” pipe shall be API 5L, Grade X-52, electric resistance welded, 0.277” wall thickness.

Design Operating Pressure -USDOT 192.105

Class 4 Location (Design Criteria):

Design Factor	F = 0.40
Longitudinal Joint Factor	E = 1.0 (ERW)
Temperature Factor	T = 1.0 (250 degrees F. and less)
Min. Yield Strength	S = 52,000 psi

Design Pressure “P” for 8” Pipe (0.277 Wall)

Outside Diameter	D = 8.625”
Wall Thickness	t = 0.277”

Formula

$$P = \frac{2St}{D} \times F \times E \times T$$

$$P = \frac{2(52,000) \times (0.277)}{8.625} \times 0.40 \times 1.0 \times 1.0 = 1,336.02 \text{ psig}$$

In accordance with API-5L table 26, the pipe was pressure tested to at least 2,840 psig at the pipe mill. The Project Pipeline will be designed, constructed and certified to Class 4 requirements with a MAOP of 350 psig. The percent of yield strength at this pressure is:

Formula

$$\text{Operating Stress} = \frac{PD}{2t}$$

$$\text{Operating Stress (0.277 Wall)} = \frac{(350) \times (8.625)}{2(0.277)} = 5,449.01 \text{ psi}$$

$$\% \text{ Yield (0.277 Wall)} = \frac{5,449.01}{52,000} \times 100 = 10.48\% \text{ at MAOP}$$

Pipelines near Railroads and Highways – N.J.A.C. 14:7-1.8

The pipeline shall be designed in accordance with Conrail’s CE-8 Specifications entitled “Specifications for Pipeline Occupancy of Consolidated Rail Corporation Property” where the pipeline intersects or runs parallel to a railroad. The pipeline shall be designed in accordance with Section 653 “Gas” of N.J.D.O.T.’s 2007 Standard Specifications for Road & Bridge Construction”.

Projections – N.J.A.C. 14.7-1.13

All portions of the pipeline which protrude above the ground shall be conspicuously painted in accordance with the Steel Structures Painting Council’s Paint Application Specification SSPC-PA 1-64 and enclosed and secured within a chain link fence.

Meter and Regulator Stations: Electric Installation – N.J.A.C. 14:7-1.15

All electric equipment and wiring in the meter, regulator and above ground valve facilities shall be designed and installed in accordance with the National Electrical Code and ANSI/NFPA 70.

Operator Reporting Requirements – N.J.A.C. 14.7-1.26

Pressure test records shall be submitted within one month after the test date and include the pressure and temperature recording charts, dead weight test records, other records of pressure and temperature readings and calibration records for recording instruments used during the pressure test.

Valve Specification -USDOT 192.145

All valves shall meet the minimum requirements of API 6D and South Jersey Gas Company specifications, which constitute a supplement to API 6D. All valves

shall be ANSI 600-lb. Class. Each point on the pipeline shall be within 2 ½ miles of a sectionalizing block valve.

Pipe Flanges -USDOT 192.147

All pipe flanges shall be carbon steel weld neck 600-lb. R.F. ANSI B16.5, MSS SP-44, or equivalent.

Pipe Fittings -USDOT 192.149

Welding elbows shall be ANSI B16.9, ASTM A-234 WP91.

Welding tees shall be ANSI B16.9, ASTM A-234 WP91.

Welding caps shall be ANSI B16.9, ASTM A-234 WP91.

Welding reducers shall be ANSI B16.9, ASTM A-234 WP91 concentric type.

Each steel butt-welding fitting shall have pressure and temperature ratings based on stresses for pipe of the same or equivalent material. The actual bursting strength of the fitting shall at least equal the computed bursting strength of pipe of the designated material and wall thickness, as determined by a prototype that was tested to at least the pressure required for the pipeline.

Passage of Internal Inspection Devices -USDOT 192.150

The pipeline, valves and fittings shall accommodate the passage of internal inspection devices.

Fabricated Components -USDOT 192.153

All fabricated components shall be constructed using regularly manufactured butt-welding fittings.

Welded Branch Connection -USDOT 192.155/NJAC 14:7-1.7

Full-size and reduced-sized branch connections shall be fabricated using manufactured forged steel fittings such as weld-o-lets made by Bonney Forge or equivalent.

Supports and Anchors -USDOT 192.161

Underground piping shall be continuously supported by a firm graded trench bottom of consolidated undisturbed soil.

Carrier pipe entering or leaving a casing shall be continuously supported on thoroughly compacted soil.

All above ground pipe supports shall be made of non-combustible material and shall not be welded or firmly secured to the pipe.

Transmission Line Valves -USDOT 192.179/ NJAC 14:7-1.10

The pipeline shall have in-line valves installed at each end and valves at 5 mile intervals. The operating device to open or close the valve shall be readily accessible and protected from damage through an enclosed gear housing and roadbox extension assembly. Each section of the transmission line shall have a blow down valve with enough capacity allow the transmission line to be blown

down as rapidly as practicable. The blowdown discharge shall be designed in accordance with USDOT 192.179.

Qualification of Welding Procedures -USDOT 192.225/NJAC 14:7-1.6

All welding procedures shall be qualified under API 1104.

Qualification of Welders -USDOT 192.227

All welders shall be qualified using procedures qualified under API 1104.
A written record shall be kept of each welder qualified.

Miter Joints -USDOT 192.233

No mitered joints will be allowed on this pipeline.

Inspection and Test of Welds -USDOT 192.241

A visual examination shall be performed on all welded joints and they shall meet the requirements of API 1104.

Non-Destructive Testing -USDOT 192.243/NJAC 14:7-1.6

All new welded joints shall be radiographed 100% and meet the standards of API 1104.

All radiographic testing shall be performed by trained, experienced persons and meet the standards of API 1104.

Oversight of field welding will be by welding inspectors qualified by the Company on the basis of training and experience.

Repair or Removal of Defects -USDOT 192.245

Any weld that is determined to be unacceptable under API 1104 shall be removed or repaired. All repairs shall be in completed in accordance with written weld repair procedures that have been qualified under API 1104.

Oversight of Construction Activity -USDOT 192.305/NJAC 14:7-1.24

Oversight of pipeline construction activity will be by inspectors qualified by the Company on the basis of knowledge and experience in all areas of work to be inspected and meet all requirements of the of the Company's qualification of pipeline personnel.

Directional Drilling Operations NJAC 14:7-1.25

A plan and profile which depicts all subsurface facilities in proximity has been prepared for all proposed horizontal directional drilling (HDD) locations within the project.

All subsurface facilities will be located by test hole prior to HDD operations.

Instrumentation approved by the Company will be provided, used and maintained to accurately locate the drilling/reaming head during HDD operations.

All HDD pipe shall be supported by roller assemblies.

A Company qualified inspector shall be physically present on site at all times when subsurface utilities are being crossed by HDD.

Bends and Elbows -USDOT 192.313-315/ NJAC 14:7-1.7

All changes in direction shall be made using field bending equipment or manufactured elbows as indicated on the drawings. All field bends shall have a smooth contour. No wrinkle bends shall be allowed.

Protection from Hazards -USDOT 192.317

The pipeline shall be designed and constructed to avoid any hazards that may cause the pipeline to move or sustain any abnormal loads. The pipeline located above ground that is located in the vicinity of vehicular traffic shall be protected from accidental damage by concrete bollards.

Installation of Pipe in a Ditch -USDOT 192.319

The pipeline shall be installed in a ditch with a firm graded bottom free of large stones, clods, rubbish, wood and welding rods. The ditch shall be backfilled with material free of large stones, clods, rubbish, wood and welding rods and in a manner to avoid damaging to the coating of the pipe.

Casing -USDOT 192.323

All casings for the pipeline shall be designed to withstand the superimposed loads. The ends of the casing shall be sealed and the casing shall be vented.

Underground Clearance -USDOT 192.325

The pipeline shall be installed maintaining a minimum 12" of clearance from any other underground structure.

Cover -USDOT 192.327/NJAC 14:7-1.12

The pipeline shall be installed with a minimum cover of 48".

External Corrosion Control: Buried or Submerged Pipelines Installed After July 31, 1971 -USDOT 192.455

All piping shall be protected from external corrosion by mill applied coating, except field joints which will be coated with heat shrink sleeves. A cathodic protection system shall be designed and installed to protect this pipeline.

External Corrosion Control: Protective Coating -USDOT 192.461/NJAC 14:7-1.11

All piping shall be protected from external corrosion by mill applied coating, except field joints which will be coated with heat shrink sleeves.

External Corrosion Control: Cathodic Protection -USDOT 192.463

A cathodic protection system shall be designed and installed to protect this pipeline.

External Corrosion Control: Test Stations -USDOT 192.469/.471

This pipeline shall have sufficient test stations for electrical measurement to determine the adequacy of cathodic protection. The test station wires shall be connected to the pipeline so as to remain mechanically secure and electrically conductive.

Internal Corrosion Control: Design and Construction of Transmission Line -USDOT 192.476

The pipeline shall be designed and constructed to reduce the risk that liquids will collect in the line. The pipeline shall be designed to allow the use of pigs and smart pigs for the removal of liquids and the monitoring of internal corrosion.

Atmospheric Corrosion Control: General -USDOT 192.479

All above ground pipeline facilities shall be coated and sealed via Flame Sprayed TSA (Thermal Sprayed Aluminum). The Flame Sprayed TSA shall be applied in accordance with NACE No. 12/AWS C2.23M/SSPC-cs 23.00 – Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel.

Strength Test Requirements for a Steel Pipeline to Operate at Hoop Stress of 30 Percent or More of SMYS -USDOT 192.503/.505/.619 NJAC 14:7-1.14

A static pressure test, with water, shall be performed for a minimum 24-hour period at 1,050 psig (min) on 16" piping which will stress the 16 inch (0.500 wall) pipe to 25.85 percent of SMYS and at 525 psig (min) on 8" piping which will stress the 8 inch (0.277 wall) pipe to 14.58 percent of SMYS.

Records -USDOT 192.517

All records of static pressure and leak tests shall be retained for the life of the pipeline. The proposed route of this pipeline is shown on the drawings entitled 16"/8" Vineland Project – Prepared for South Jersey Gas, dated December 9, 2019, prepared by Henkels & McCoy, Inc.

MAOP -USDOT -192.619

The MAOP of the 16 inch pipeline will be 700 psig. The 16 inch pipeline shall not be operated in excess of 700 psig. The MAOP of the 8 inch pipeline will be 350 psig. The 8 inch pipeline shall not be operated in excess of 350 psig.

Odorization of Gas -USDOT 192.625/NJAC 14:7-1.16

The gas in this pipeline will be odorized so that the gas concentration in air of one-fifth of the lower explosive is detectable by smell.

Tapping Pipelines Under Pressure -USDOT 192.627

All tapping and stop-offs will be performed by a qualified crew.

Purging of Pipelines -USDOT 192.629

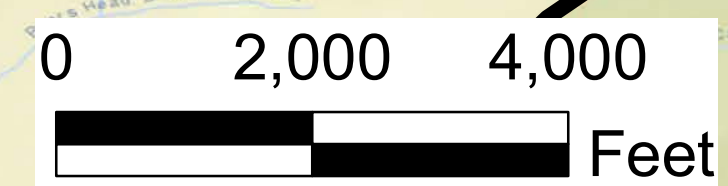
The new pipeline shall be purged into service using natural gas. This procedure will be done in a manner which will not allow a hazardous mixture of gas and air to form.

Pipeline Marker -USDOT 192.707 / NJAC 14:7-1.11

Pipeline markers shall be installed at all locations as outlined in this section of Subpart 192. In addition, for pipe 16" or more in diameter, marking tape consisting of one 12 inch wide strip or two 6 inch wide strips shall be installed side-by-side in any trenched in place piping.

What Additional Preventive and Mitigative Measures Must an Operator Take? -USDOT 192.935

All above ground sectionalizing block valves shall be designed to be remote control valves (RCV).



SOUTH JERSEY GAS
 1 SOUTH JERSEY PLACE, ATLANTIC CITY, NJ 08401
 TELEPHONE: (609) 561-9000 FAX: 609-851-2371

EXHIBIT B
16" / 8" VINELAND PROJECT
PRIMARY ROUTE

CITY OF VINELAND

MUNICIPALITY VINELAND	COUNTY CUMBERLAND	NEW JERSEY
DRAWN BY: AJB	DATE: 12/6/19	PLATE MAP
CHECKED BY: AL	SCALE: 1" = 2000'	WORK ORDER No. 1
APPROVED BY: NA	SHEET 1 OF 1	WORK ORDER No. 2

- EXISTING PIPELINE
- PRIMARY ROUTE: ELMER ROAD
- 8" MAIN
- MUNICIPALITY BOUNDARY

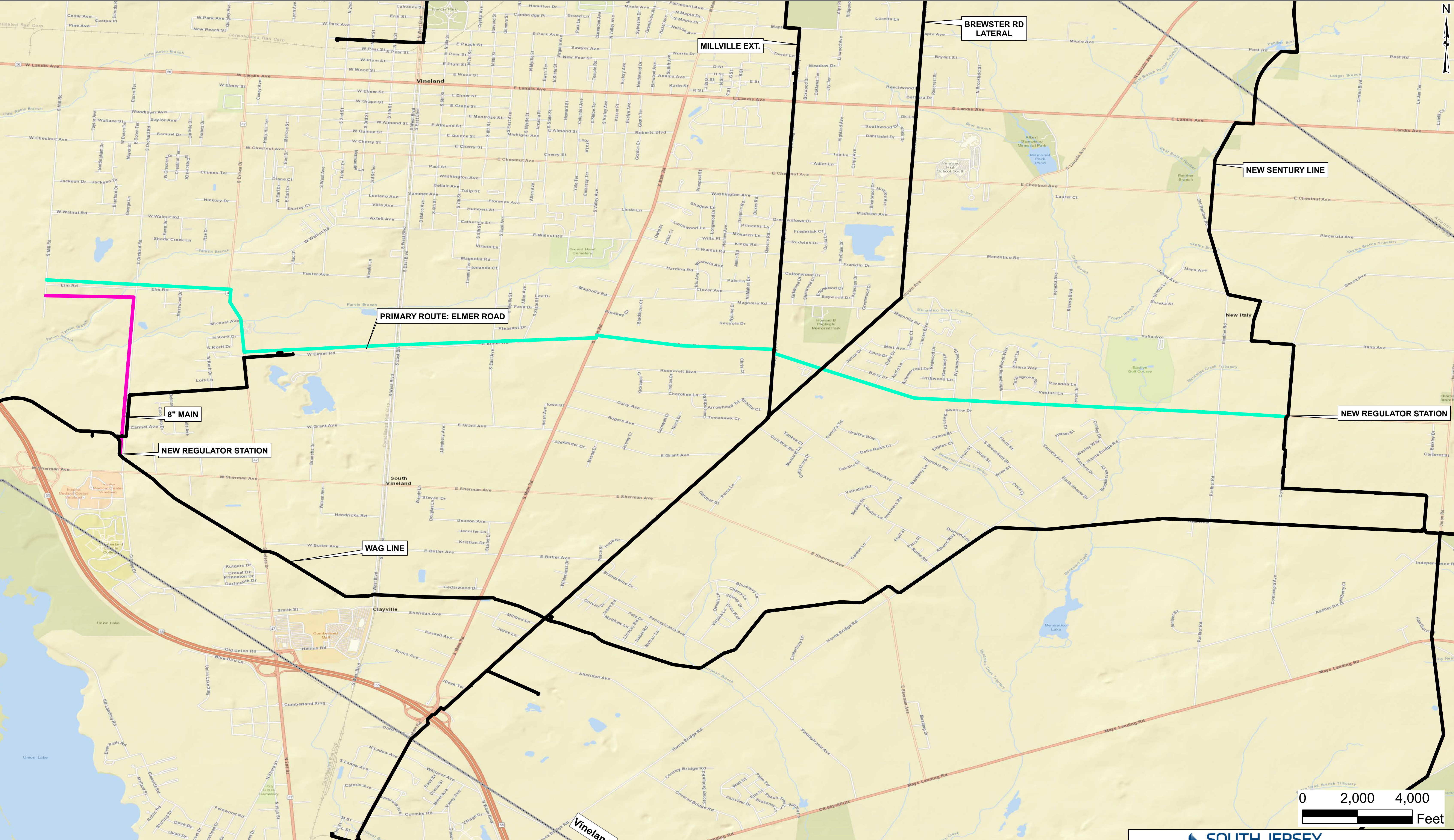
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ONE CALL
 CALL BEFORE YOU DIG
 1-800-272-1000
 TO LOCATE UNDERGROUND UTILITIES
 IF YOU'RE GOING TO DIG, BLAST OR DRILL
 THREE (3) WORKING DAYS NOTICE

REMEMBER
IT'S THE LAW!
Dig Safely.

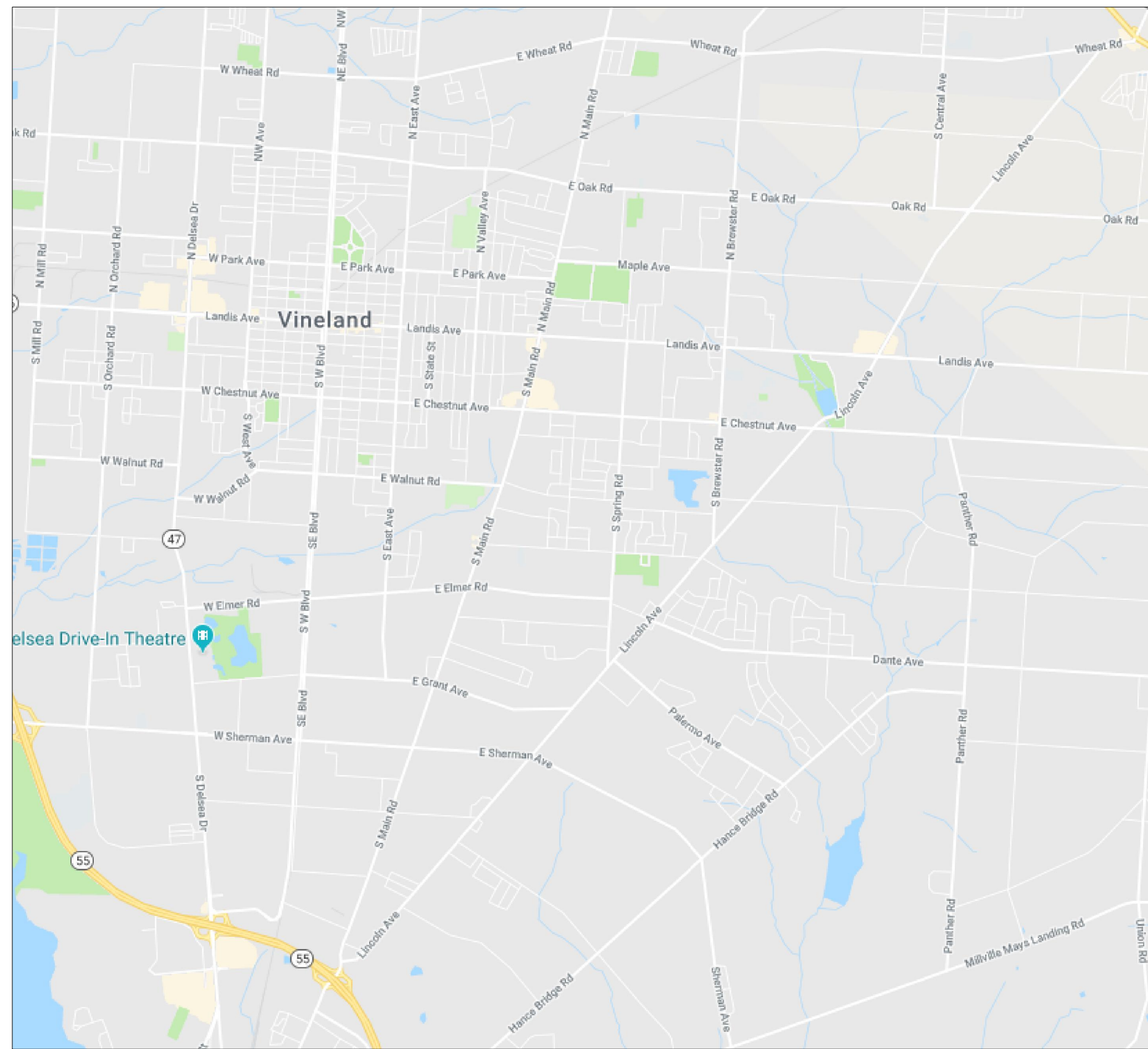


16"/8" VINELAND PROJECT

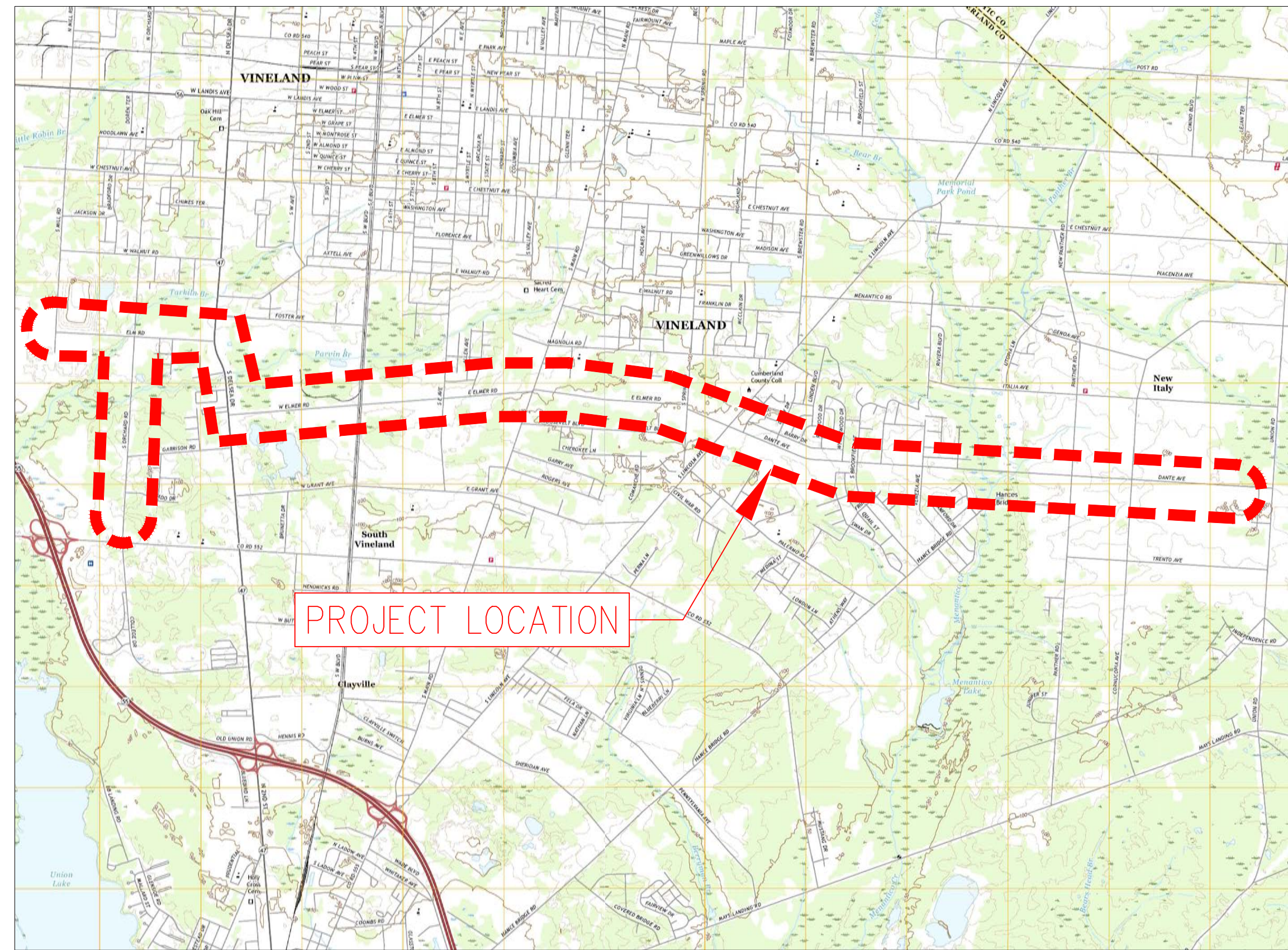
CITY OF VINELAND

CUMBERLAND COUNTY, NJ

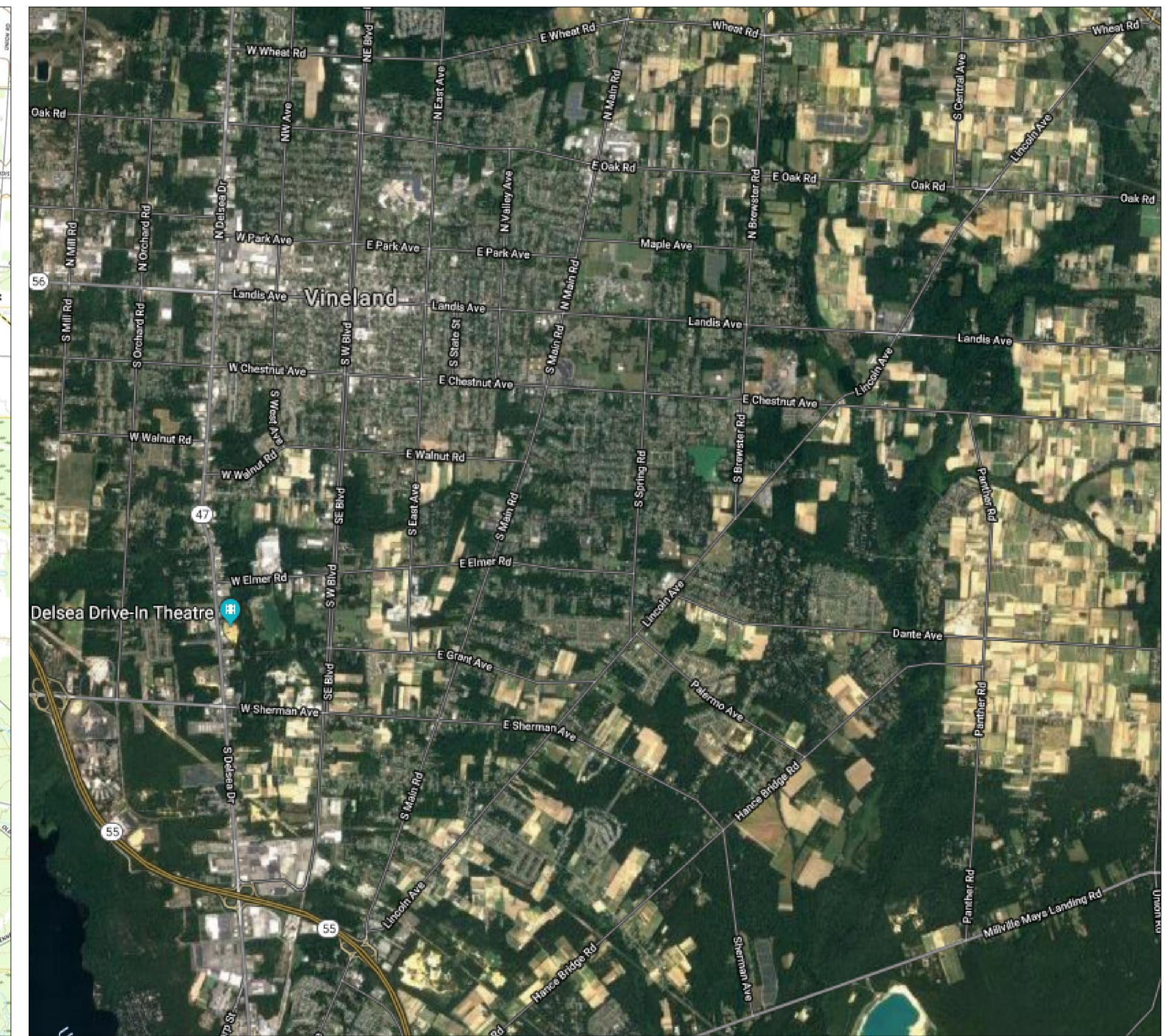
SOUTH JERSEY GAS



VICINITY MAP



USGS 7.5 MIN. LOCATION MAP (NOT TO SCALE)
[QUADRANGLE]



OVERVIEW MAP

EXECUTIVE SUMMARY:

1. APPROXIMATELY 37,600 LF OF 16" O.D., X65 WRAPPED STEEL PIPE
2. APPROXIMATELY 8,759 LF OF 8.625" O.D., X52 WRAPPED STEEL PIPE

PRELIMINARY
NOT FOR CONSTRUCTION

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No.	Revision	Approve	Date
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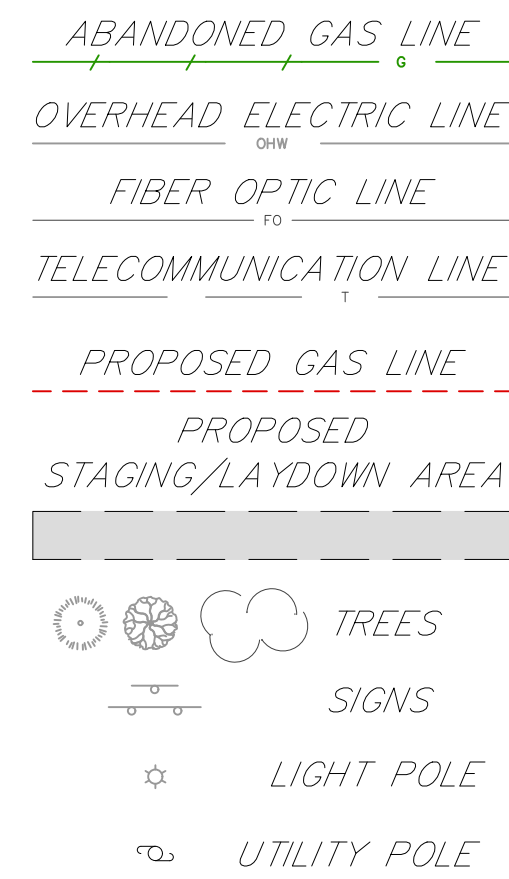
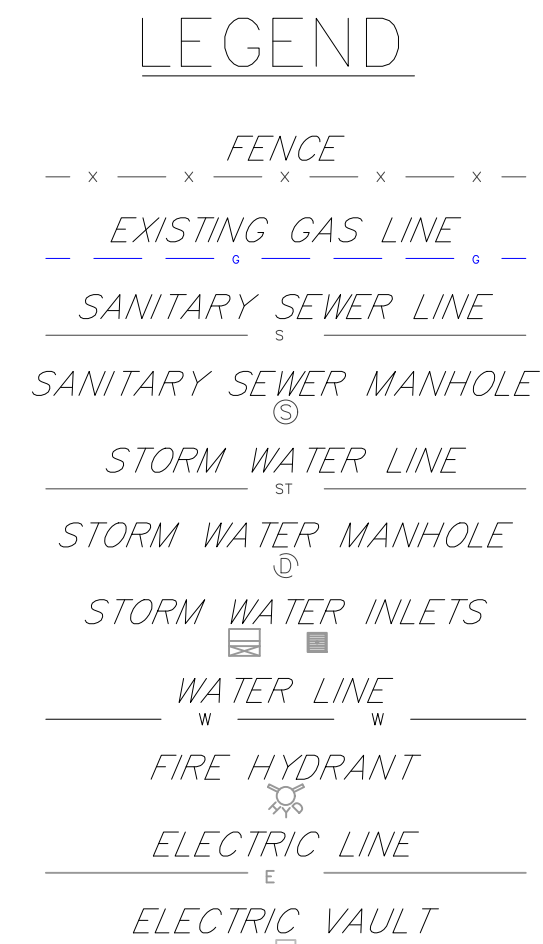
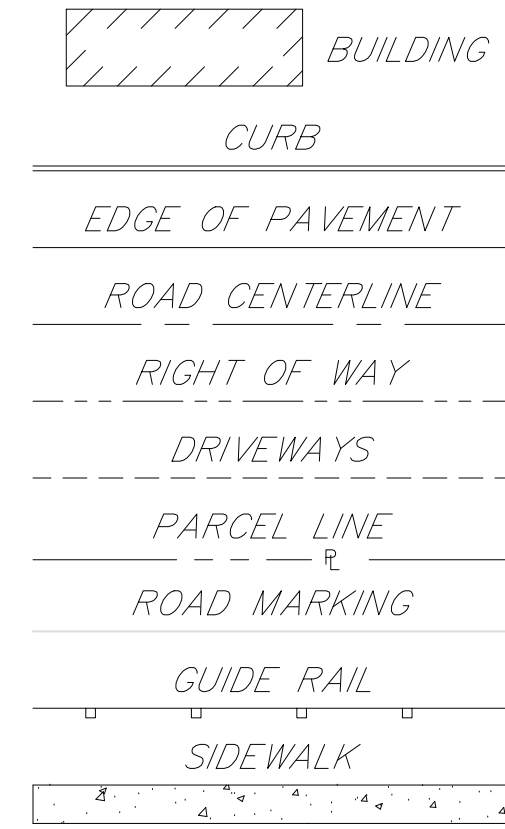
PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS
A HUBBARD & NORTON Group Company
VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

CITY OF VINELAND
DRAWN BY SC DATE 05/03/19 PLATE MAP
CHECKED BY DPK SCALE NOT TO SCALE MAP
APPROVED BY FZ SHEET 1 OF 33 DWG. NO. CD-C

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802
PROPOSED 16"/8" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
COVER SHEET
16"/8" VINELAND PROJECT
CUMBERLAND COUNTY NJ

P:\Projects\Active\Pipeline\SJG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
5/29/2019
dkrupa



GENERAL NOTES:

- WHEN THE DEPTH OF TRENCH EXCEEDS 5 FT. A TRENCH BOX OR SHORING WILL BE REQUIRED.
- ANY DRAINAGE INSTALLED AS PART OF THIS PERMIT IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR TO MAINTAIN.
- MAINTENANCE OF ALL SIGNS AND PAVEMENT MARKINGS ARE THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR.
- THE PERMITTEE/CONTRACTOR MUST CONTACT THE NEW JERSEY ONE-CALL SYSTEM AT 1-800-272-1000, THREE WORKING DAYS PRIOR TO THE START OF WORK TO HAVE ALL UTILITIES MARKED IN THE WORK AREA.
- THE PERMITTEE/CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION.
- EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE PERMITTEE/CONTRACTOR TO THEIR PRESENCE AND THE PERMITTEE/CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. APPROXIMATE LOCATIONS OF EXISTING UTILITIES AND SURFACE FEATURES ARE BASED ON FIELD SURVEY, AND/OR NJ ONE-CALL RESPONSES.
- EXISTING TOPOGRAPHY OBTAINED FROM NEW JERSEY GEOGRAPHIC INFORMATION NETWORK.
- PARCEL AND RIGHT-OF-WAY INFORMATION OBTAINED FROM NEW JERSEY GEOGRAPHIC INFORMATION NETWORK.
- CONTRACTOR TO COORDINATE WITH CITY OF VINELAND PRIOR TO CONSTRUCTION TAKING PLACE.
- ANY ACTIVITY PERFORMED ON AN ACE FACILITY IDENTIFIED AS A COVERED TASK MUST BE COMPLETED BY AN INDIVIDUAL(S) WITH THE PROPER OPERATOR QUALIFICATIONS.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND FOREIGN UTILITIES PRIOR TO START OF WORK.
- ALL PIPE SHALL BE INSTALLED AT A MINIMUM OF 48 INCHES BELOW GRADE.
- PIPE SHALL BE INSPECTED PRIOR TO INSTALLATION. DAMAGED AND/OR MISSING PIPE COATING SHALL BE PROPERLY REPAIRED IN FIELD.
- PIPE SHALL BE TESTED TO XXXPSIG FOR XX HOURS.
- CONTRACTORS MUST COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS REGARDING THE USE AND DISPOSAL OF EXCESS MATERIAL.
- CRITICAL BEND RADIUS OF PIPE AS ESTABLISHED PER MANUFACTURER SPECIFICATIONS AND/OR SJG CONSTRUCTION MANUAL SHALL NOT BE EXCEEDED.
- PIPE STRUNG ALONG THE RIGHT-OF-WAY SHALL BE PLACED ON PADDING AND PADDED ROLLERS USED DURING OPERATIONS.
- CONTRACTOR SHALL FOLLOW ALL LOCAL AND NJDOT TRAFFIC CONTROL PROCEDURES WHILE WORKING WITHIN PUBLIC AND/OR STATE RIGHT-OF-WAY.

CONSTRUCTION SEQUENCE: (TBD)

PERMITS REQUIRED	
-	-
-	-
-	-

SHEET INDEX

PAGE NO.	DRAWING NO.	DESCRIPTION	16" WS FOOTAGE	8" WS FOOTAGE	LAST REVISED
1 OF 33	CD-C	COVER	-	-	12/9/2019
2 OF 33	CD-N	GENERAL NOTES	-	-	12/9/2019
3 OF 33	CD-1	16"/8" WS - STA. 0+00 TO 14+50	1,450	1,450	12/9/2019
4 OF 33	CD-2	16"/8" WS - STA. 14+50 TO 29+25	1,475	1,115	12/9/2019
5 OF 33	CD-3	16" WS - STA. 29+25 TO 44+00	1,475	-	12/9/2019
6 OF 33	CD-4	16" WS - STA. 44+00 TO 58+75	1,486	-	12/9/2019
7 OF 33	CD-5	16" WS - STA. 58+75 TO 73+50	1,478	-	12/9/2019
8 OF 33	CD-6	16" WS - STA. 73+50 TO 88+25	1,474	-	12/9/2019
9 OF 33	CD-7	16" WS - STA. 88+25 TO 103+00	1,475	-	12/9/2019
10 OF 33	CD-8	16" WS - STA. 103+00 TO 117+75	1,475	-	12/9/2019
11 OF 33	CD-9	16" WS - STA. 117+75 TO 132+50	1,475	-	12/9/2019
12 OF 33	CD-10	16" WS - STA. 132+50 TO 147+25	1,475	-	12/9/2019
13 OF 33	CD-11	16" WS - STA. 147+25 TO 162+00	1,475	-	12/9/2019
14 OF 33	CD-12	16" WS - STA. 162+00 TO 176+75	1,466	-	12/9/2019
15 OF 33	CD-13	16" WS - STA. 176+75 TO 191+50	1,475	-	12/9/2019
16 OF 33	CD-14	16" WS - STA. 191+50 TO 206+25	1,474	-	12/9/2019
17 OF 33	CD-15	16" WS - STA. 206+25 TO 221+00	1,475	-	12/9/2019
18 OF 33	CD-16	16" WS - STA. 221+00 TO 235+75	1,493	-	12/9/2019
19 OF 33	CD-17	16" WS - STA. 235+75 TO 250+50	1,481	-	12/9/2019
20 OF 33	CD-18	16" WS - STA. 250+50 TO 265+25	1,475	-	12/9/2019
21 OF 33	CD-19	16" WS - STA. 265+25 TO 280+00	1,478	-	12/9/2019
22 OF 33	CD-20	16" WS - STA. 280+00 TO 294+75	1,475	-	12/9/2019
23 OF 33	CD-21	16" WS - STA. 294+75 TO 309+50	1,475	-	12/9/2019
24 OF 33	CD-22	16" WS - STA. 309+50 TO 324+25	1,475	-	12/9/2019
25 OF 33	CD-23	16" WS - STA. 324+25 TO 339+00	1,475	-	12/9/2019
26 OF 33	CD-24	16" WS - STA. 339+00 TO 353+75	1,475	-	12/9/2019
27 OF 33	CD-25	16" WS - STA. 353+75 TO 368+50	1,475	-	12/9/2019
28 OF 33	CD-26	16" WS - STA. 368+50 TO 375+66	720	-	12/9/2019
29 OF 33	CD-27	8" WS - STA. 0+00 TO 14+50	-	1,435	12/9/2019
30 OF 33	CD-28	8" WS - STA. 14+50 TO 29+25	-	1,475	12/9/2019
31 OF 33	CD-29	8" WS - STA. 29+25 TO 44+00	-	1,475	12/9/2019
32 OF 33	CD-30	8" WS - STA. 44+00 TO 58+75	-	1,475	12/9/2019
33 OF 33	CD-31	8" WS - STA. 58+75 TO 62+09	-	334	12/9/2019

BILL OF MATERIALS

ITEM	STOCK #	DESCRIPTION	QTY	UNITS
1	-	-	-	-
2	-	-	-	-
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35	-	-	-	-
36	-	-	-	-

**PRELIMINARY
NOT FOR CONSTRUCTION**

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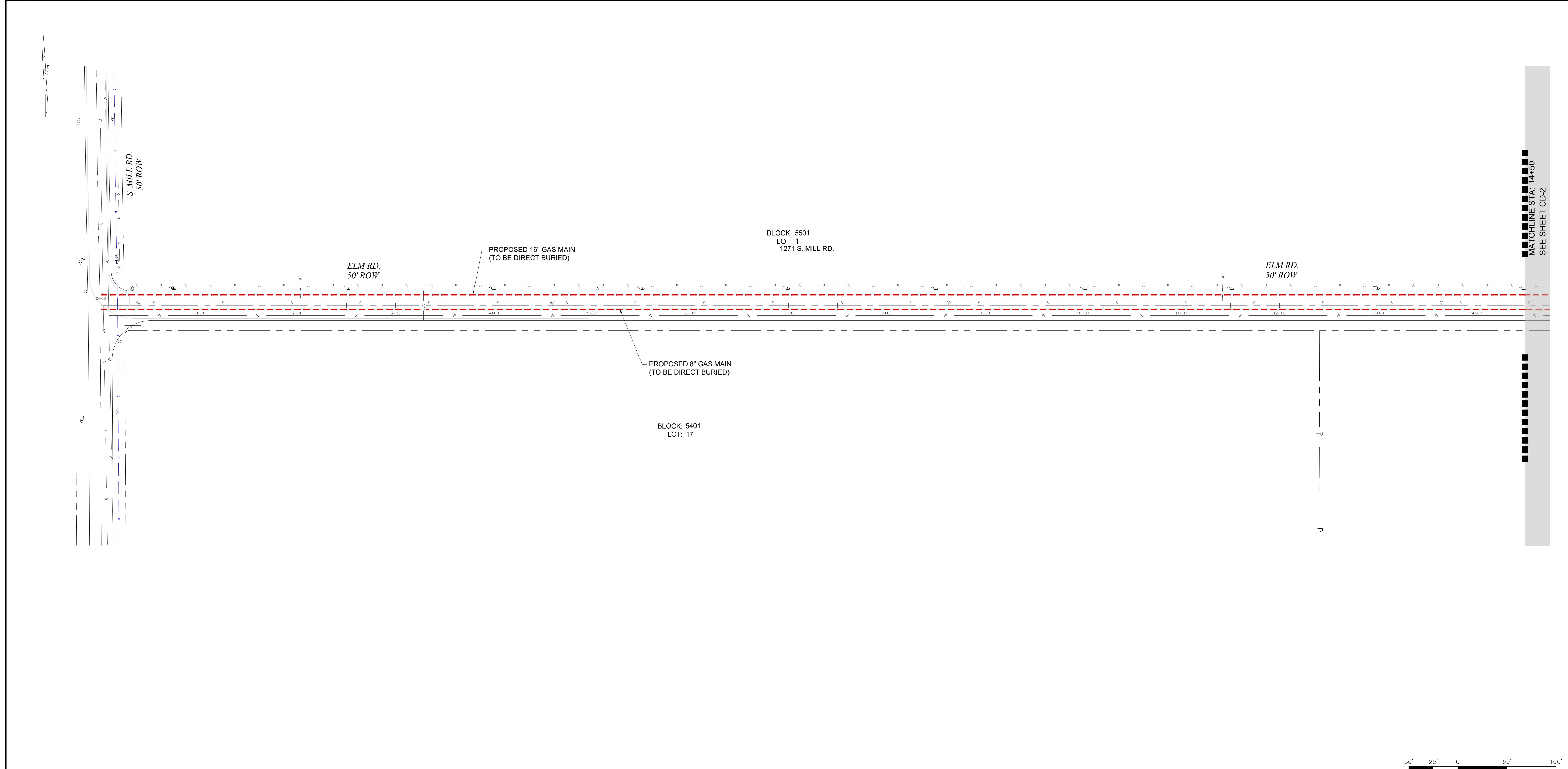
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PETER WILDERS, PE
NJ LICENSE #24GE04327300

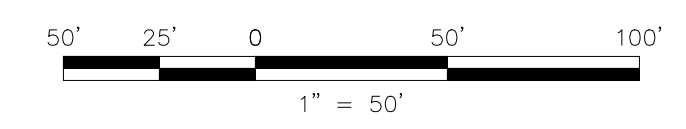
CITY OF VINELAND				CUMBERLAND COUNTY				NJ	
DRAWN BY	SC	DATE	05/03/19	PLATE MAP					
CHECKED BY	DPK	SCALE	NOT TO SCALE	MAP					
APPROVED BY	FZ	SHEET	2	OF	33	DWG. NO.	CD-N		

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 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	ELM RD. PUBLIC ROW		
STATION	0+00		14+50
FOOTAGE	1,450' / 1,450'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE / 8.625" O.D., X52 WRAPPED STEEL PIPE		



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A **PERKINS+WELLS** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	3 OF 33	DWG. NO. CD-1

SOUTH JERSEY GAS

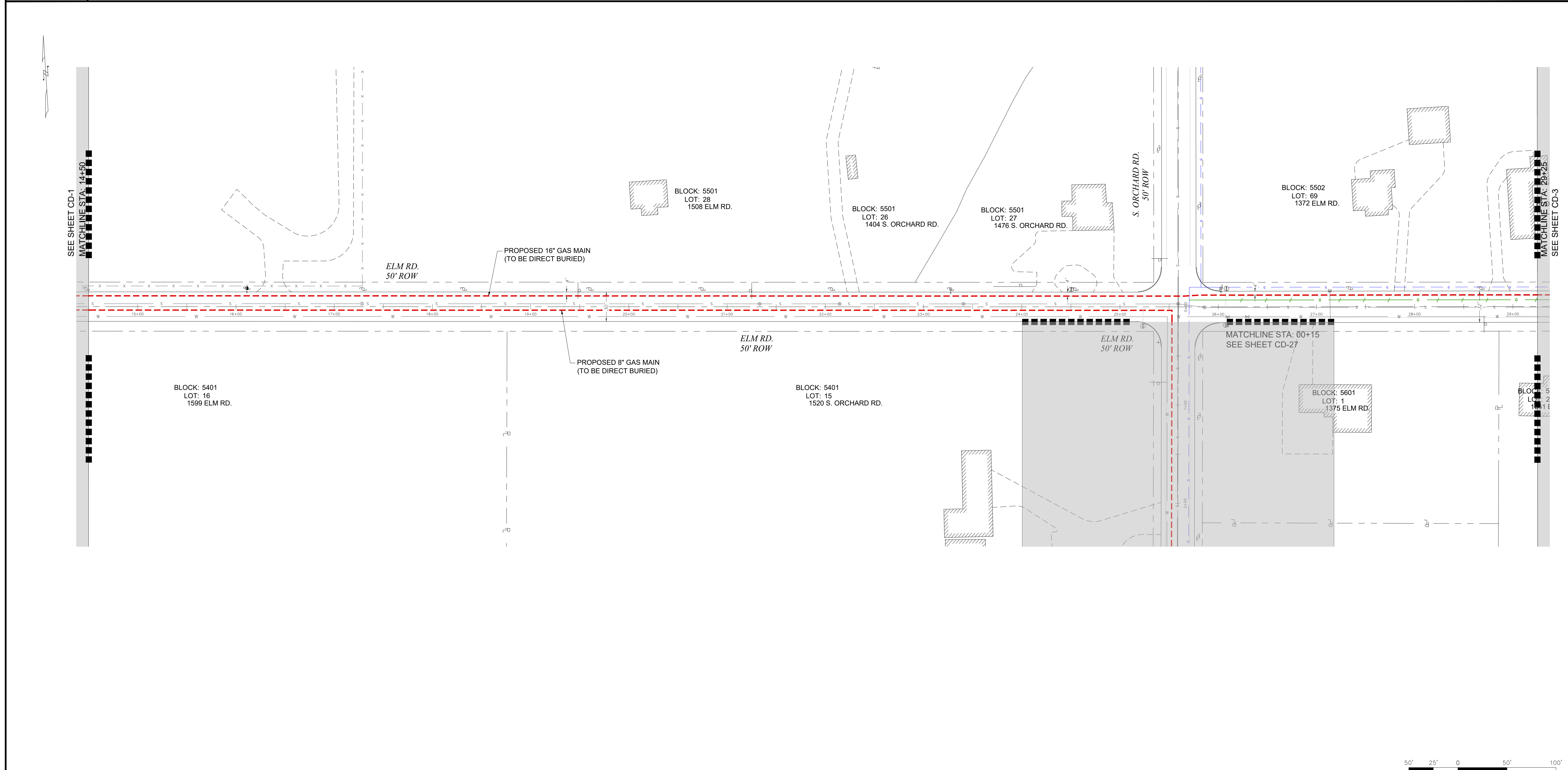
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16"/8" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 1

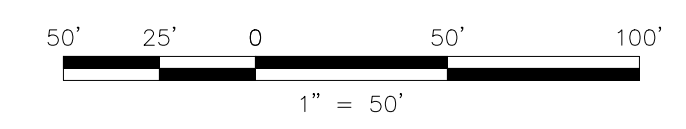
16"/8" VINELAND PROJECT
ELM RD.
CUMBERLAND COUNTY NJ

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5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	ELM RD. PUBLIC ROW		
STATION	14+50		29+25
FOOTAGE	1,475' / 1,115'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE / 8.625" O.D., X52 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

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CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	4 OF 33	DWG. NO.

SOUTH JERSEY GAS

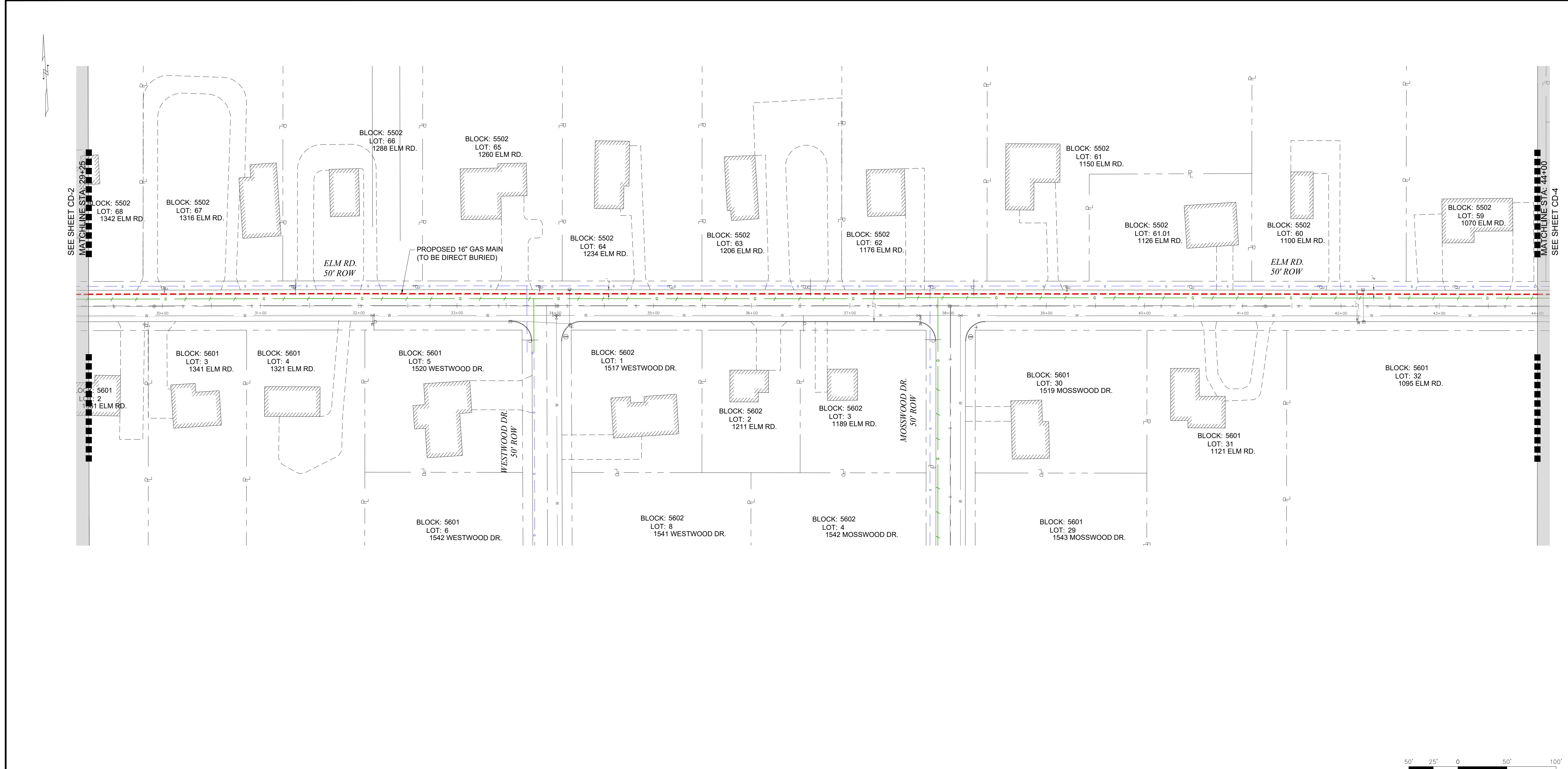
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PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 2

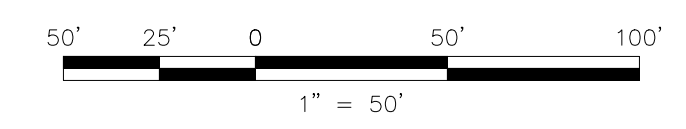
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dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	ELM RD. PUBLIC ROW	
STATION	29+25	44+00
FOOTAGE	1,475'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



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ONE CALL

CALL BEFORE YOU DIG
1-800-272-1000

TO LOCATE UNDERGROUND UTILITIES
IF YOU'RE GOING TO DIG, BLAST OR DRILL
THREE (3) WORKING DAYS NOTICE

REMEMBER
IT'S THE LAW!

Dig Safely.

No.	Revision	Approve	Date
1	ISSUED FOR REVIEW		06/07/19
2	PRELIMINARY BASEMAPS FOR REVIEW		09/30/19
3	PRELIMINARY BASEMAPS FOR FILING		12/09/19
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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	5 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 3

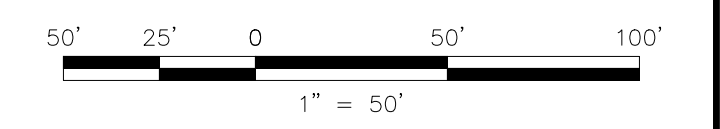
16"Ø8" VINELAND PROJECT
ELM RD.
CUMBERLAND COUNTY NJ

P:\Projects\Active\Pipeline\SJG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	ELM RD. & S. DELSEA DR. PUBLIC ROW	
STATION	44+00	58+75
FOOTAGE	1,486'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



**PRELIMINARY
NOT FOR CONSTRUCTION**



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **WILMINGTON** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	6 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 4

16" 8" VINELAND PROJECT
ELM RD. & S. DELSEA DR.
CUMBERLAND COUNTY

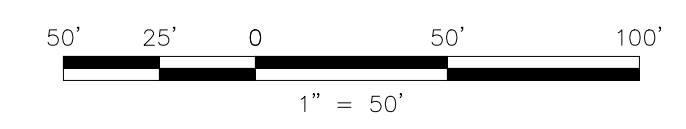
CITY OF VINELAND NJ

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 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	S. DELSEA DR. PUBLIC ROW	
STATION	58+75	73+50
FOOTAGE	1,478'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS

A **HEWLETT-PACKARD** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
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APPROVED BY	FZ	SHEET	7 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 5

16" / 8" VINELAND PROJECT
S. DELSEA DR.
CUMBERLAND COUNTY NJ

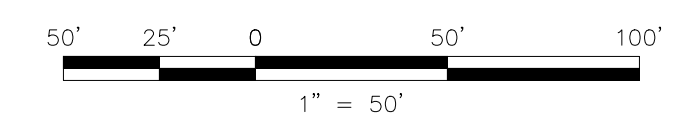
CITY OF VINELAND

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 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	S. DELSEA DR. & W. ELMER RD. PUBLIC ROW	
STATION	73+50	88+25
FOOTAGE	1,474'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **WATKINS-CORRY** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	8 OF 33	DWG. NO.

SOUTH JERSEY GAS

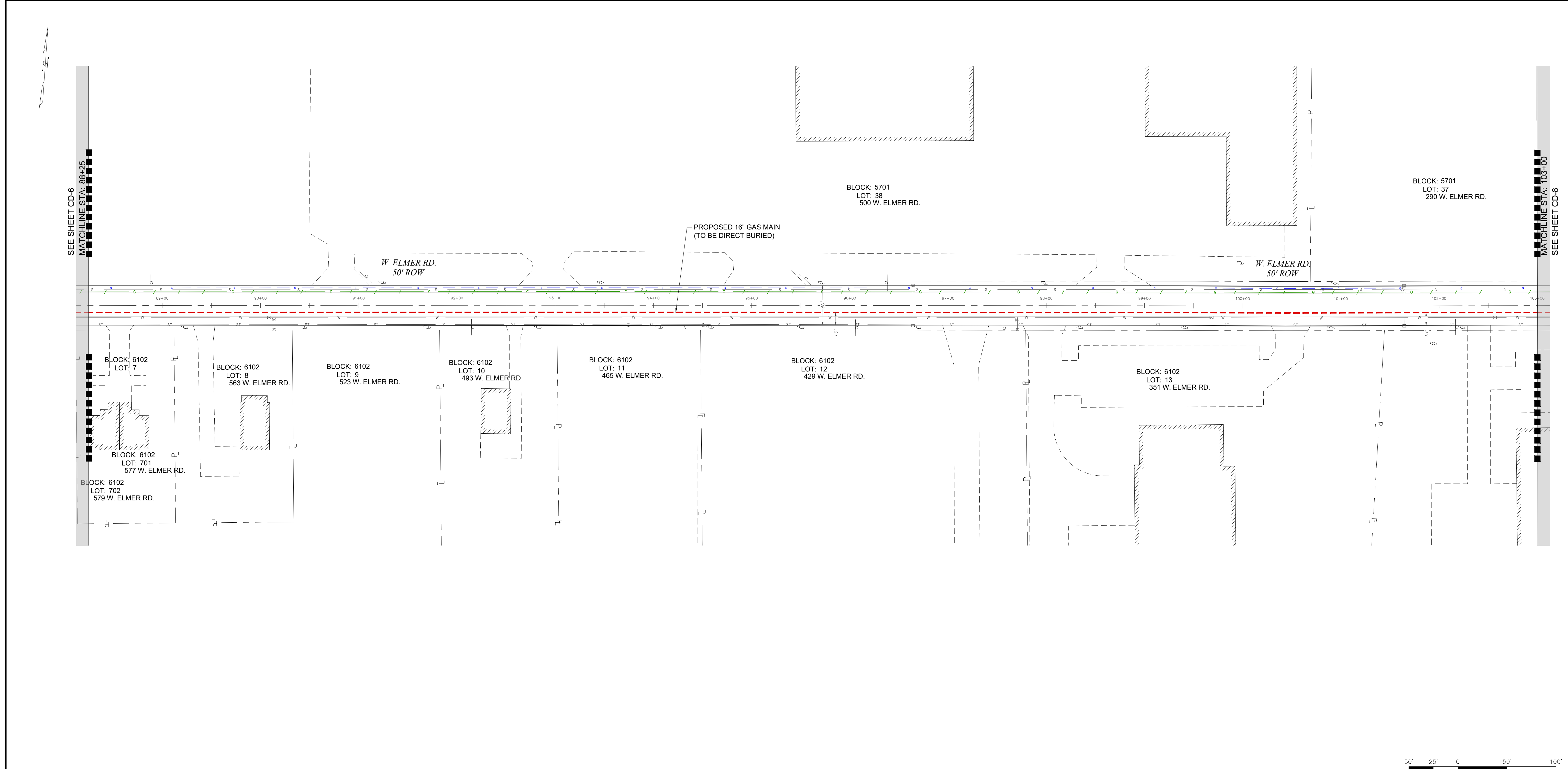
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 6

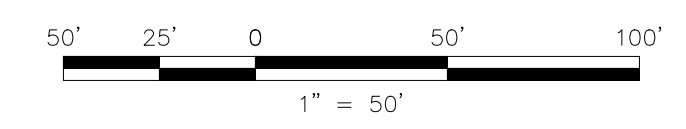
16" 8" VINELAND PROJECT
S. DELSEA DR. & W. ELMER RD.
CUMBERLAND COUNTY NJ

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5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	W. ELMER RD. PUBLIC ROW	
STATION	88+25	103+00
FOOTAGE	1,475'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
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APPROVED BY	FZ	SHEET	g OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 7

16" / 8" VINELAND PROJECT
W. ELMER RD.
CUMBERLAND COUNTY

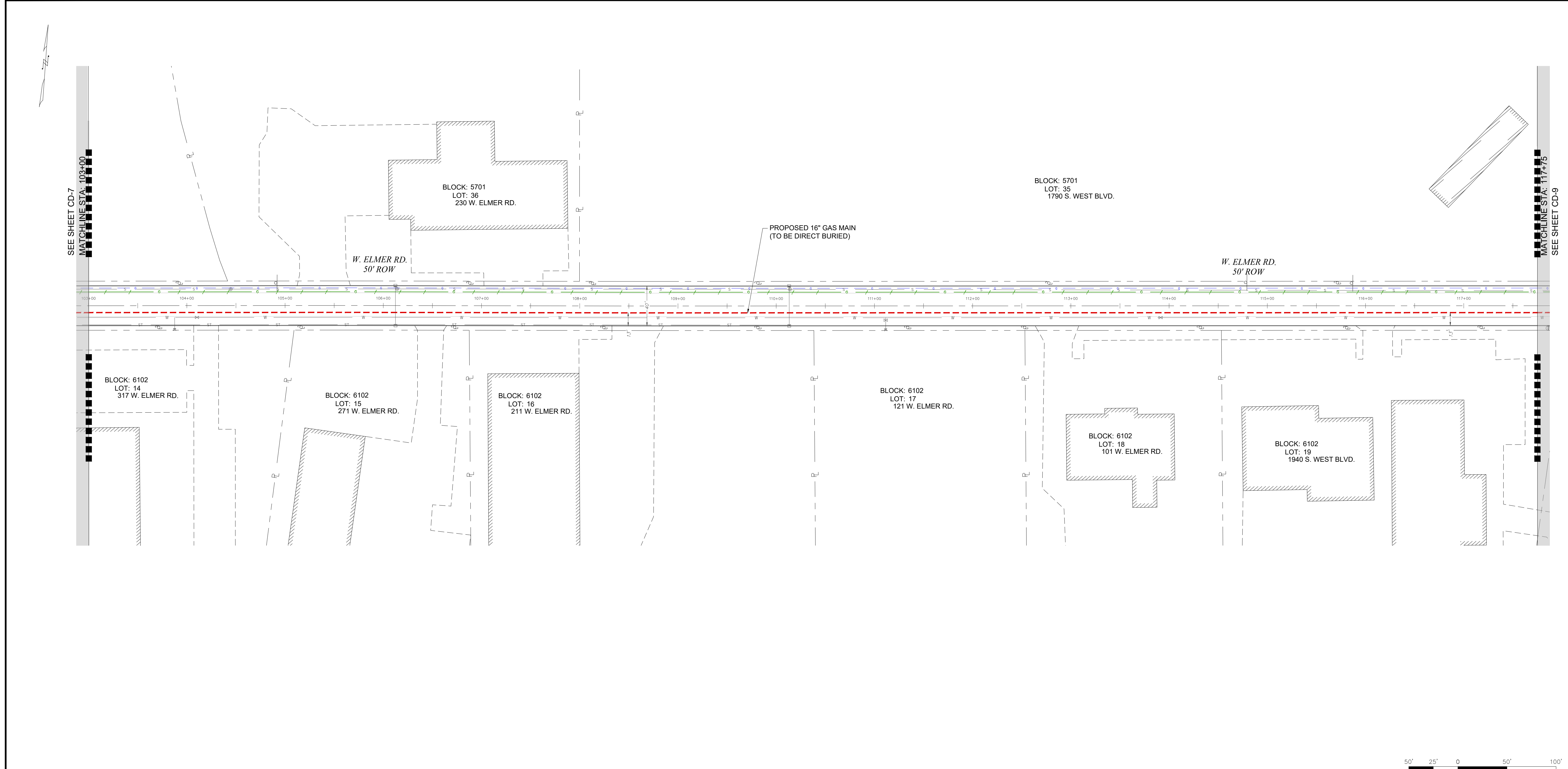
CITY OF VINELAND NJ

DWG. NO. CD-7

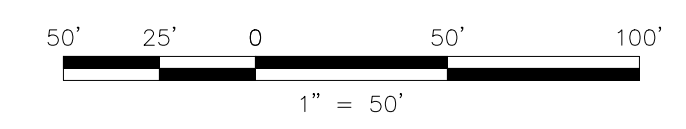
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5/29/2019
dkrupa

DRAWING LOCATION
LAST DATE SAVED
LAST SAVE BY

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	W. ELMER RD. PUBLIC ROW	
STATION	103+00	117+75
FOOTAGE	1,475'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS

A **HEWLETT-PACKARD** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

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APPROVED BY	FZ	SHEET	10 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 8

16"/8" VINELAND PROJECT
W. ELMER RD.
CUMBERLAND COUNTY NJ

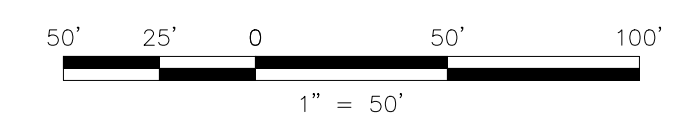
DWG. NO. CD-8

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 dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	E. ELMER RD. PUBLIC ROW		
STATION	117+75		132+50
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS

A **PERKINS+WELLS** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

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TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

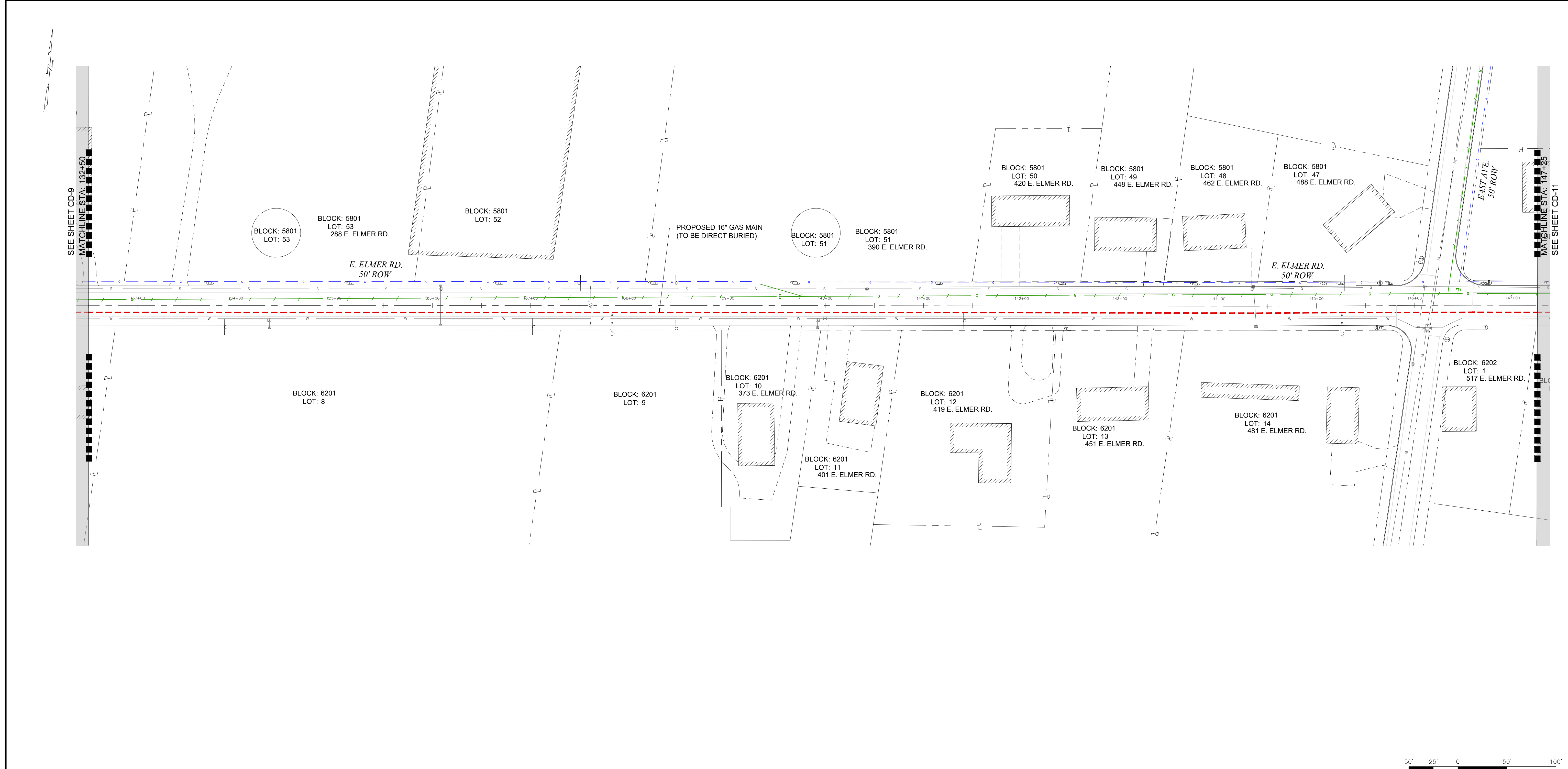
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 9

16" / 8" VINELAND PROJECT
E. ELMER RD.
CUMBERLAND COUNTY

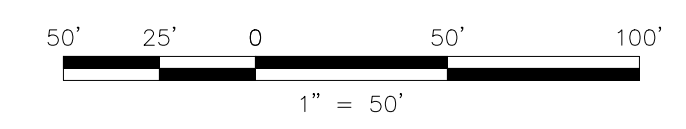
CITY OF VINELAND NJ

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5/29/2019
d.krupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	E. ELMER RD. PUBLIC ROW		
STATION	132+50		147+25
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
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BLUE BELL, PA 1
P: 484-344-2161

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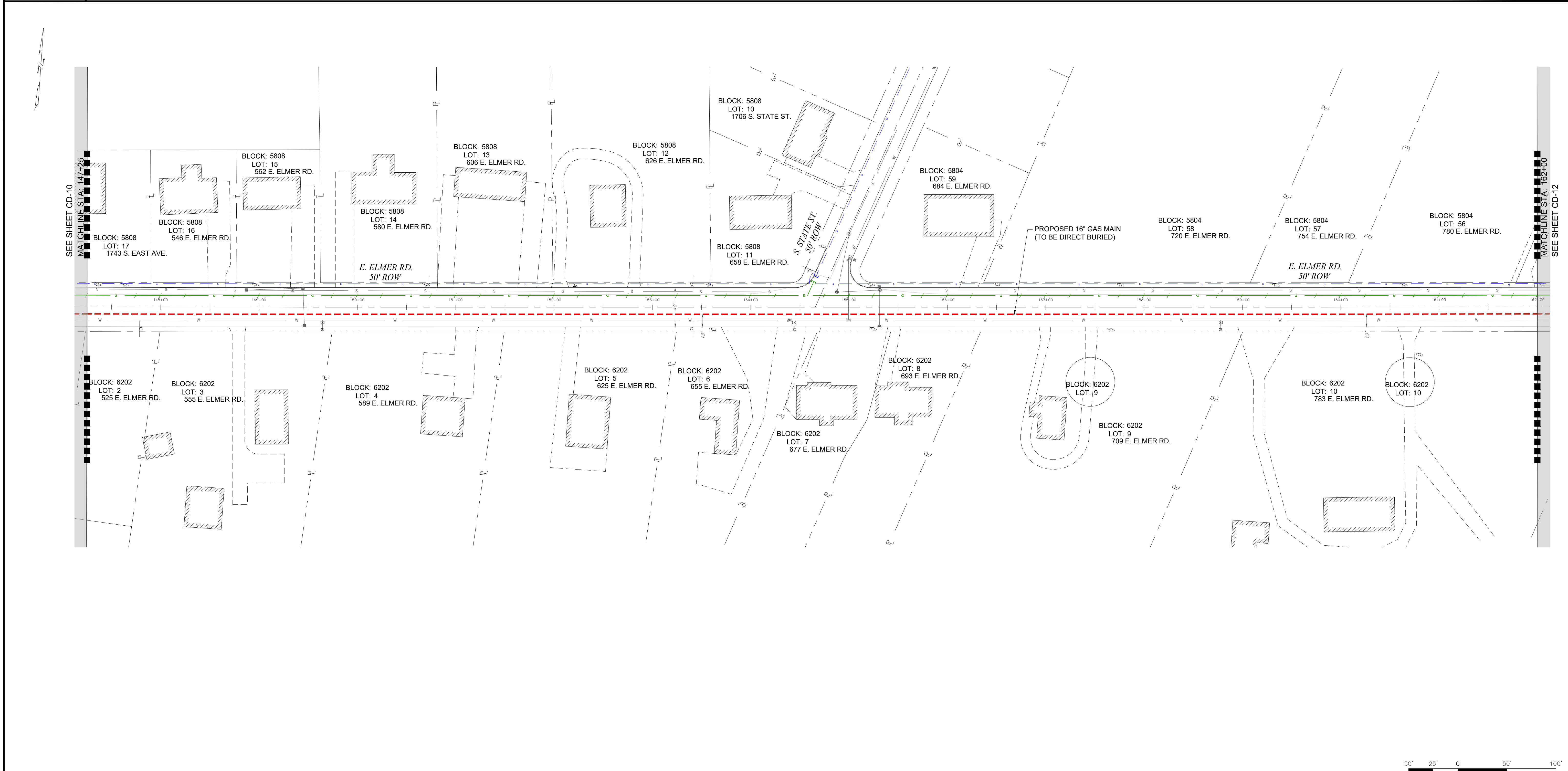
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 10

16" / 8" VINELAND PROJECT
E. ELMER RD.
CUMBERLAND COUNTY NJ

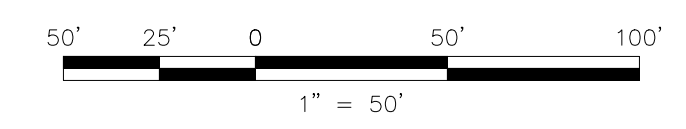
DWG. NO. **CD-10**

P:\Projects\Active\Pipeline\SIG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	E. ELMER RD. PUBLIC ROW	
STATION	147+25	162+00
FOOTAGE	1,475'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



**PRELIMINARY
NOT FOR CONSTRUCTION**



UTILITY LOCATIONS (SEWER, WATER, STORM SEWER, GAS, ETC.) ARE BASED ON SURVEY LOCATION AND RECORD DATA AS PROVIDED BY THE MUNICIPALITIES AND / OR UTILITY COMPANY.

NOTE TO CONTRACTOR:
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ONE CALL
CALL BEFORE YOU DIG
1-800-272-1000
TO LOCATE UNDERGROUND UTILITIES
IF YOU'RE GOING TO DIG, BLAST OR DRILL
THREE (3) WORKING DAYS NOTICE
REMEMBER
IT'S THE LAW!
Dig Safely.

No.	Revision	Approve	Date
1	ISSUED FOR REVIEW		06/07/19
2	PRELIMINARY BASEMAPS FOR REVIEW		09/30/19
3	PRELIMINARY BASEMAPS FOR FILING		12/09/19
4			
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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS
A HUBBARD RAY Group Company
VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	13 OF 33	DWG. NO.

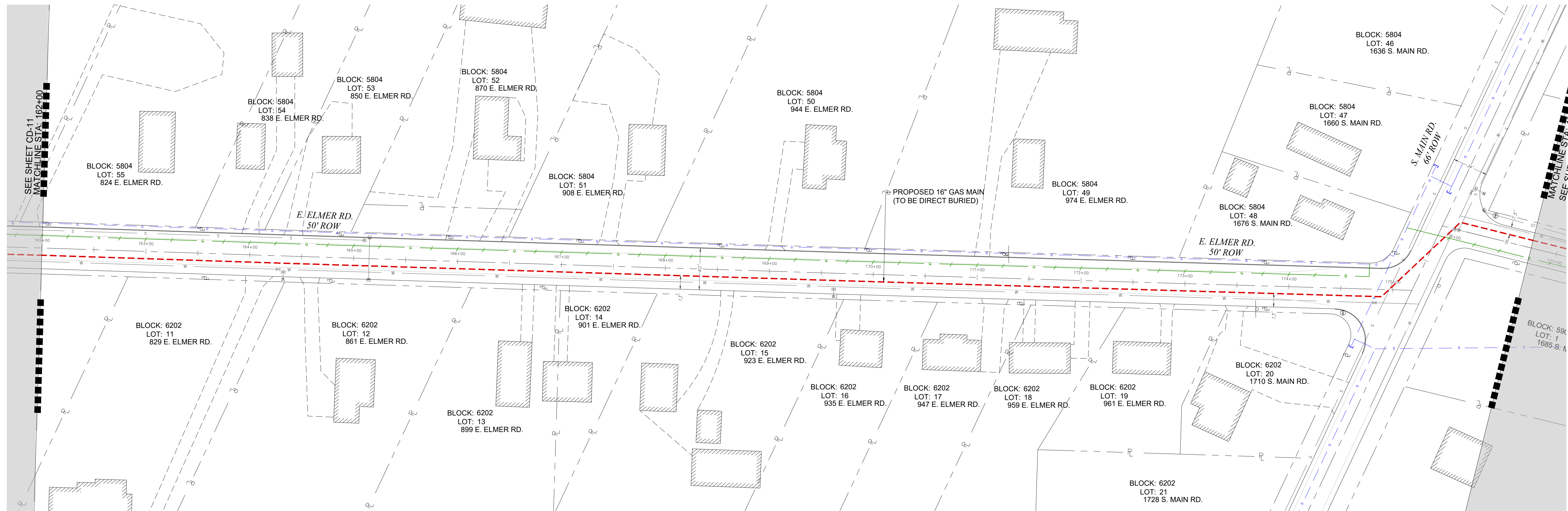
SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 11
16" / 8" VINELAND PROJECT
E. ELMER RD.
CUMBERLAND COUNTY NJ

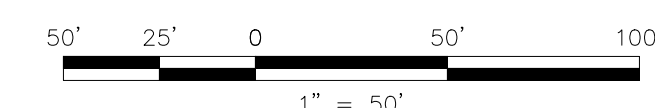
DWG. NO. CD-11

P:\Projects\Active\Pipeline\SJG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	E. ELMER RD. & S MAIN RD. PUBLIC ROW	
STATION	162+00	176+75
FOOTAGE	1,466'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



**PRELIMINARY
NOT FOR CONSTRUCTION**



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PETER WILDERS, PE
NJ LICENSE #24GE04327300



DRAWN BY: SC DATE: 05/03/19 PLATE MAP
CHECKED BY: DPK SCALE: 1"=50' MAP
APPROVED BY: FZ SHEET 14 OF 33 DWG. NO. CD-12

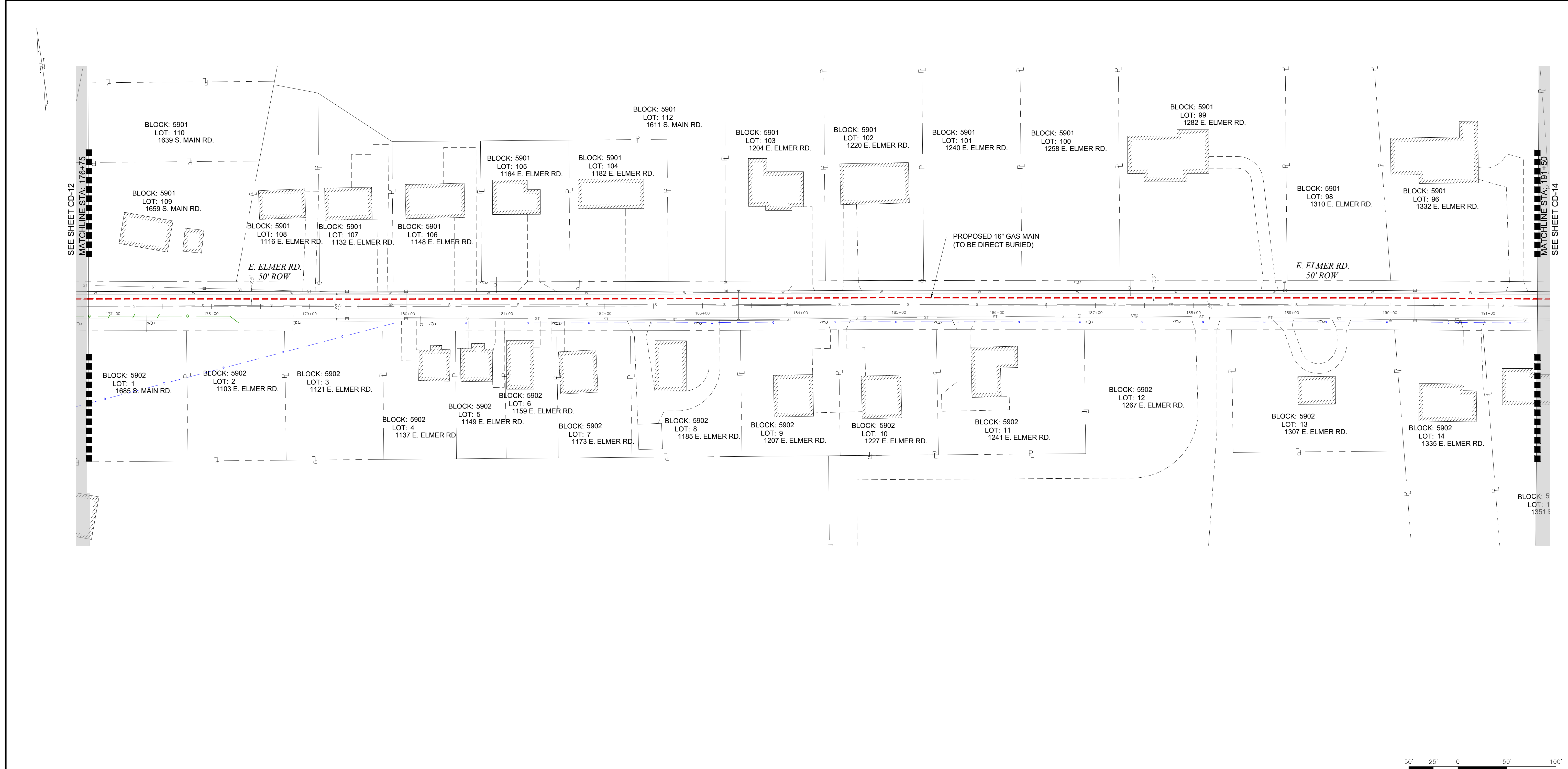
SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

**PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 12**

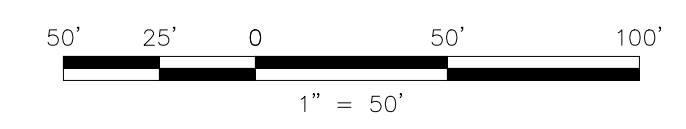
**16" / 8" VINELAND PROJECT
E. ELMER RD. & S MAIN RD.
CUMBERLAND COUNTY NJ**

P:\Projects\Active\Pipeline\SJG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
5/29/2019
dKrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	E. ELMER RD. PUBLIC ROW		
STATION	176+75		191+50
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	15 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 13

16"Ø8" VINELAND PROJECT
E. ELMER RD.
CUMBERLAND COUNTY

CITY OF VINELAND NJ

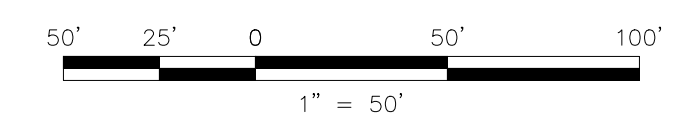
PLATE NO. CD-13

P:\Projects\Active\Pipeline\SJG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	E. ELMER RD. PUBLIC ROW		
STATION	191+50		206+25
FOOTAGE	1,474'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



**PRELIMINARY
NOT FOR CONSTRUCTION**



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Dig Safely.

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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-444-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	16 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

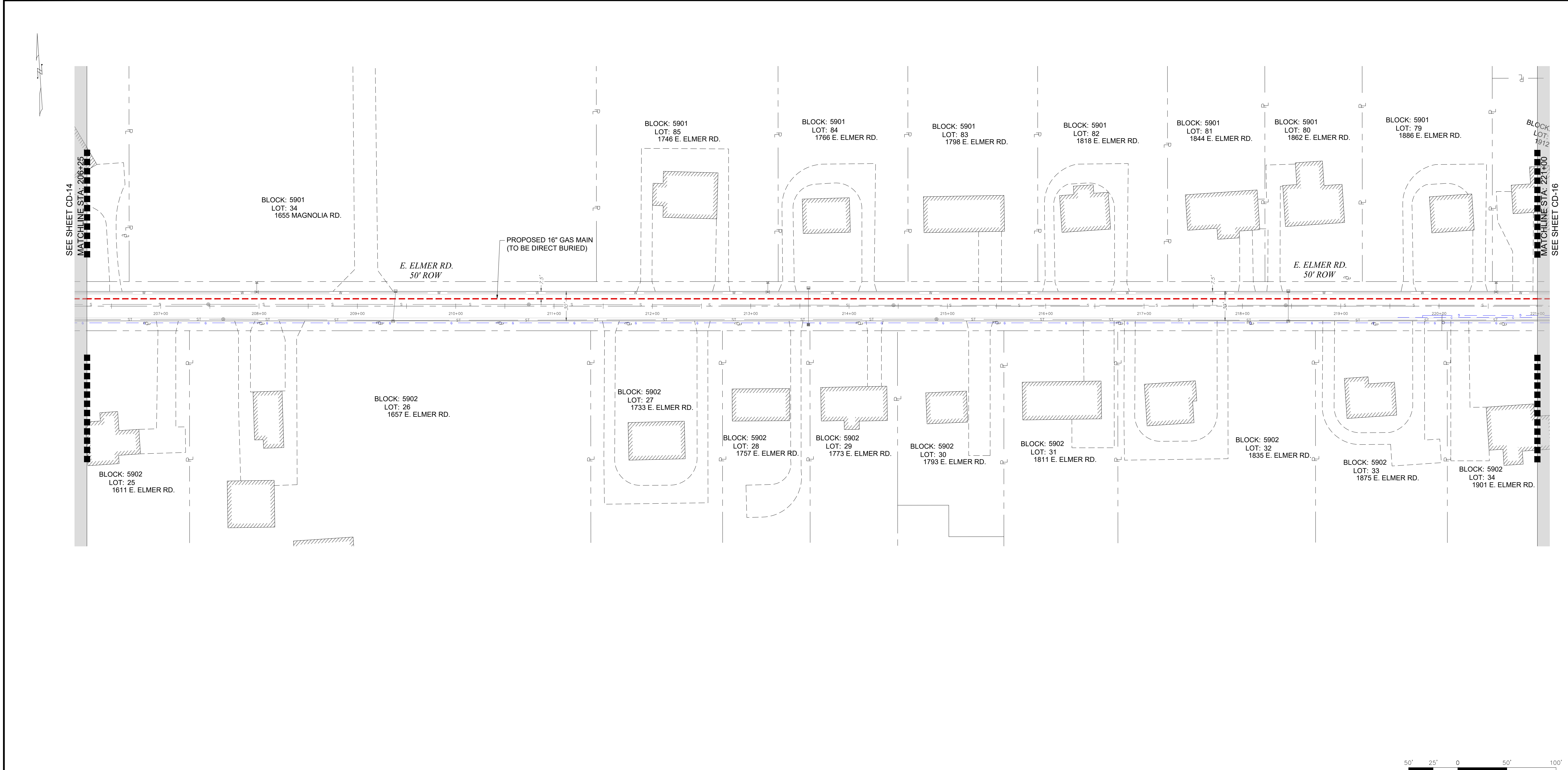
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 14

16" / 8" VINELAND PROJECT
E. ELMER RD.
CUMBERLAND COUNTY NJ

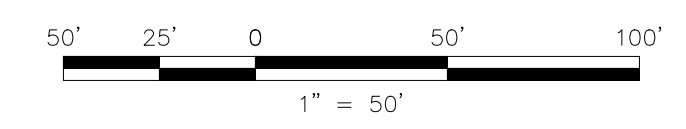
CITY OF VINELAND

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5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	E. ELMER RD. PUBLIC ROW		
STATION	206+25		221+00
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **HEWLETT-PACKARD** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	17 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

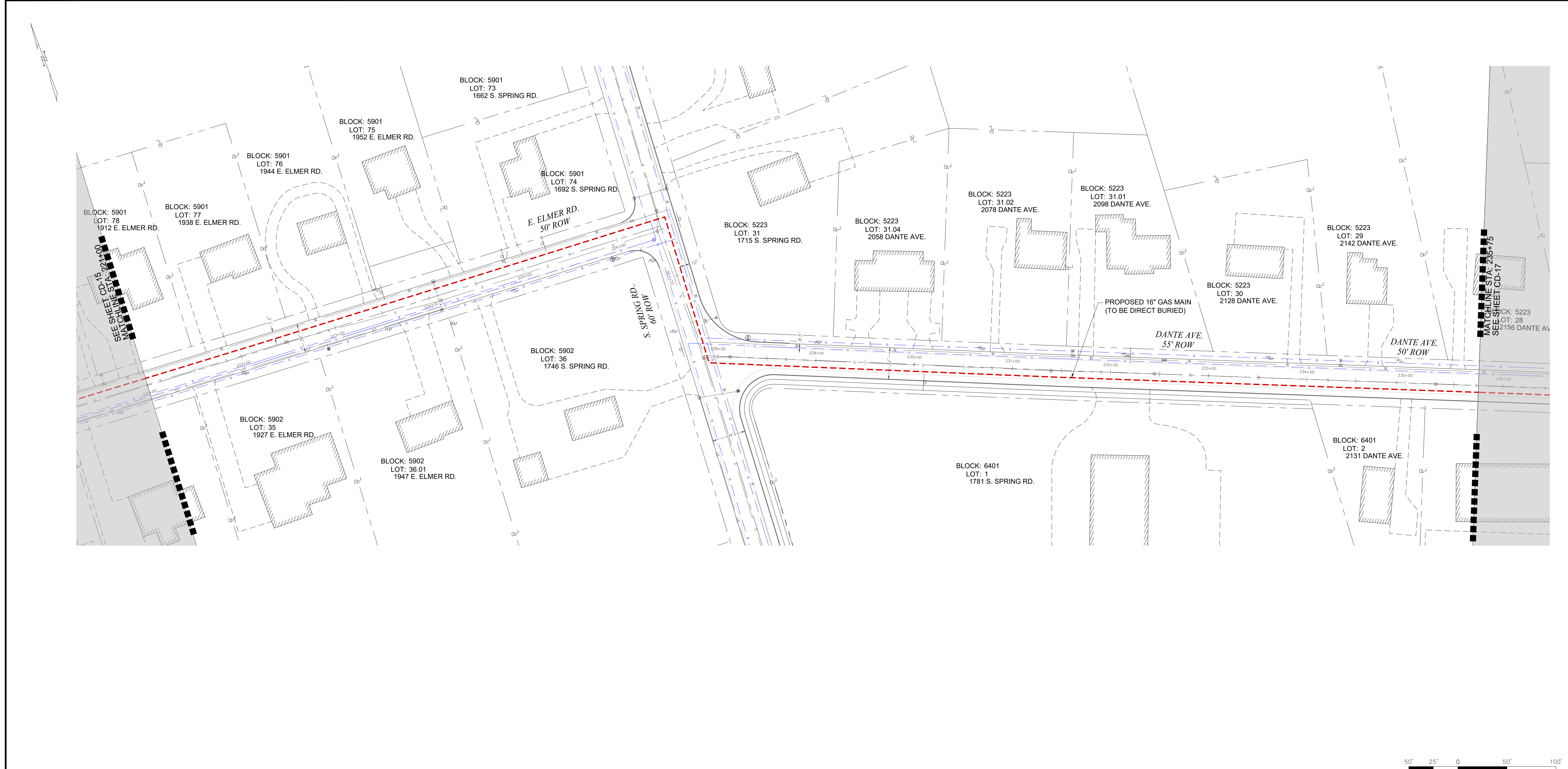
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 15

16" / 8" VINELAND PROJECT
E. ELMER RD.
CUMBERLAND COUNTY NJ

DWG. NO. **CD-15**

P:\Projects\Active\Pipeline\SJG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	E. ELMER RD. & S. SPRING RD. & DANTE AVE. PUBLIC ROW	
STATION	221+00	235+75
FOOTAGE	1,493'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



**PRELIMINARY
NOT FOR CONSTRUCTION**

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PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS

A HUBBARD & PARSONS Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	18 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

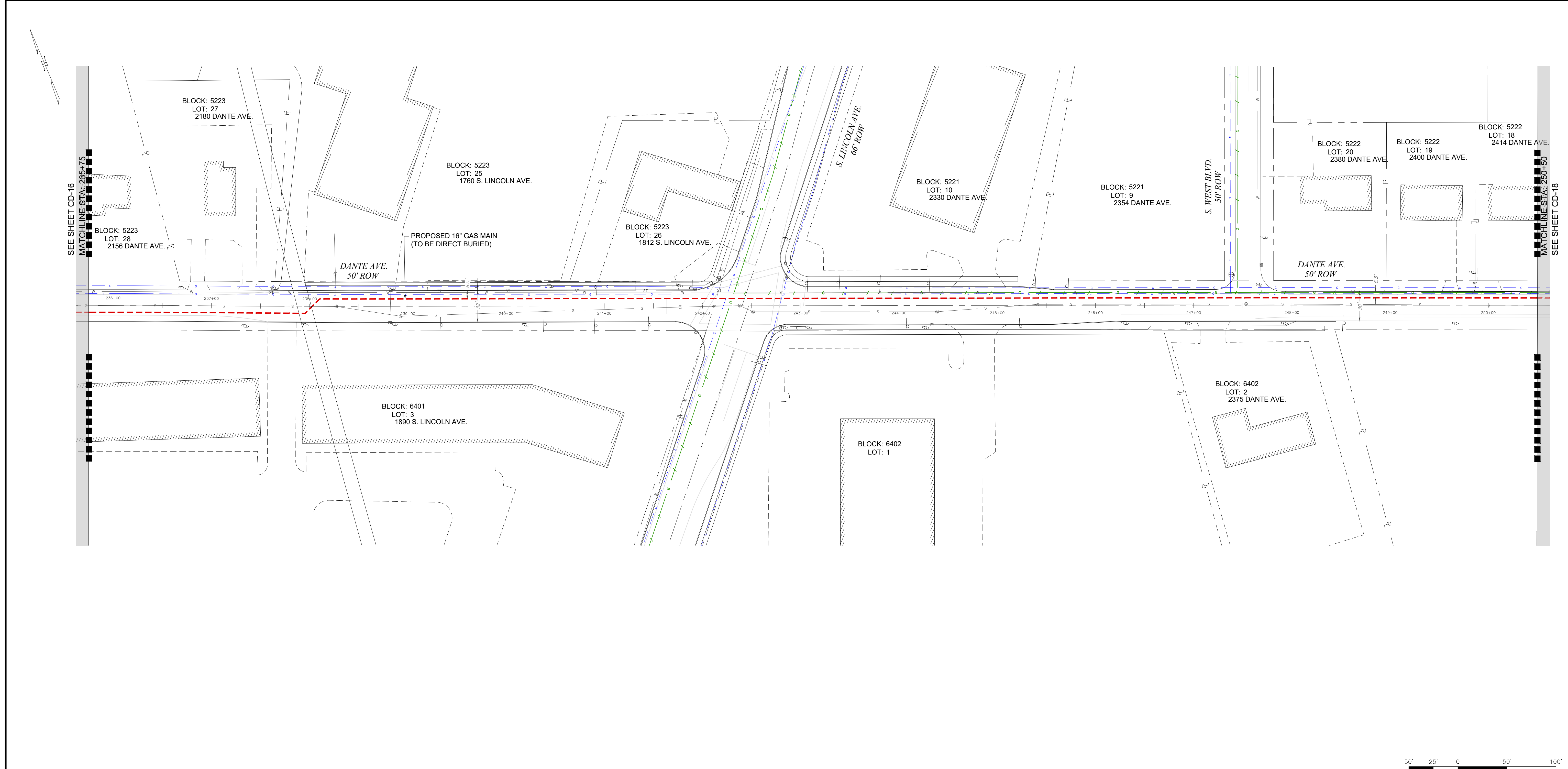
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 16

16" 8" VINELAND PROJECT
E. ELMER RD. & S. SPRING RD. & DANTE AVE.
CITY OF VINELAND CUMBERLAND COUNTY NJ

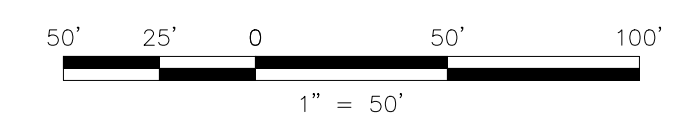
DWG. NO. CD-16

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5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	DANTE AVE. PUBLIC ROW	
STATION	235+75	250+50
FOOTAGE	1,481'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



**PRELIMINARY
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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	19 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 17

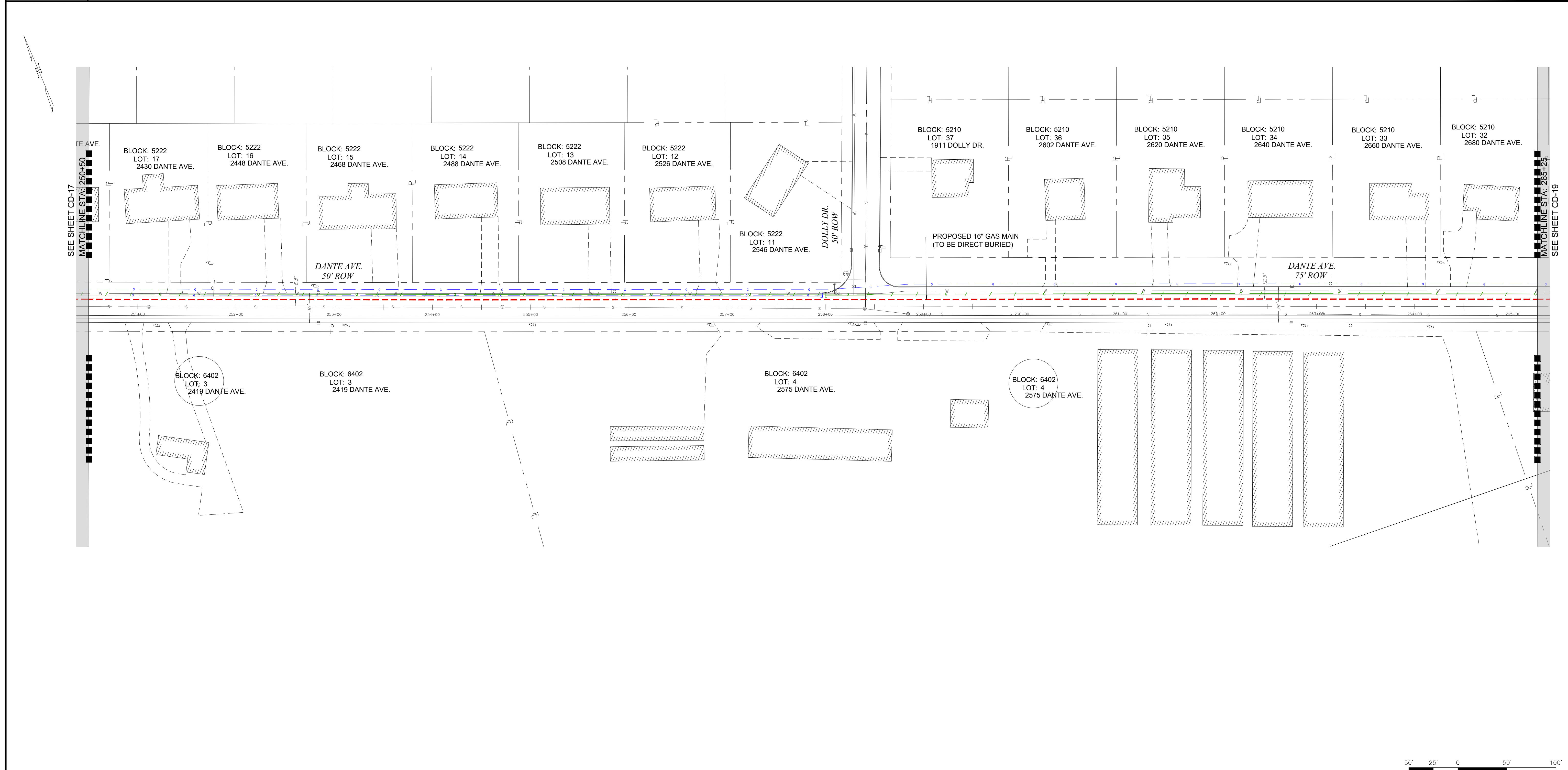
16"Ø8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

DWG. NO. CD-17

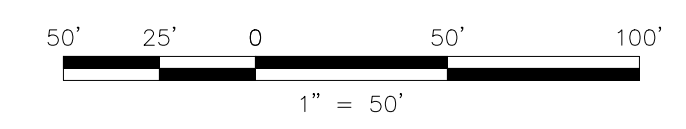
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5/29/2019
dkrupa

DRAWING LOCATION
LAST DATE SAVED
LAST SAVE BY

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	DANTE AVE. PUBLIC ROW	
STATION	250+50	265+25
FOOTAGE	1,475'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
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APPROVED BY	FZ	SHEET	20 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 18

16"Ø8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

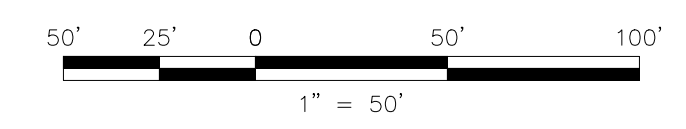
CITY OF VINELAND

P:\Projects\Active\Pipeline\SIG (South Jersey Gas)\Elmer Road Reliability Project\3. Execution\CAD\Elmer Road Reliability Project IFR.dwg
5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	DANTE AVE. PUBLIC ROW	
STATION	265+25	280+00
FOOTAGE	1,478'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



**PRELIMINARY
NOT FOR CONSTRUCTION**



UTILITY LOCATIONS (SEWER, WATER, STORM SEWER, GAS, ETC.) ARE BASED ON SURVEY LOCATION AND RECORD DATA AS PROVIDED BY THE MUNICIPALITIES AND / OR UTILITY COMPANY.

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ONE CALL

CALL BEFORE YOU DIG
1-800-272-1000

TO LOCATE UNDERGROUND UTILITIES
IF YOU'RE GOING TO DIG, BLAST OR DRILL
THREE (3) WORKING DAYS NOTICE

REMEMBER
IT'S THE LAW!

Dig Safely.

No.	Revision	Approve	Date
1	ISSUED FOR REVIEW		06/07/19
2	PRELIMINARY BASEMAPS FOR REVIEW		09/30/19
3	PRELIMINARY BASEMAPS FOR FILING		12/09/19
4			
5			
6			
7			
8			
9			

PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	21 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

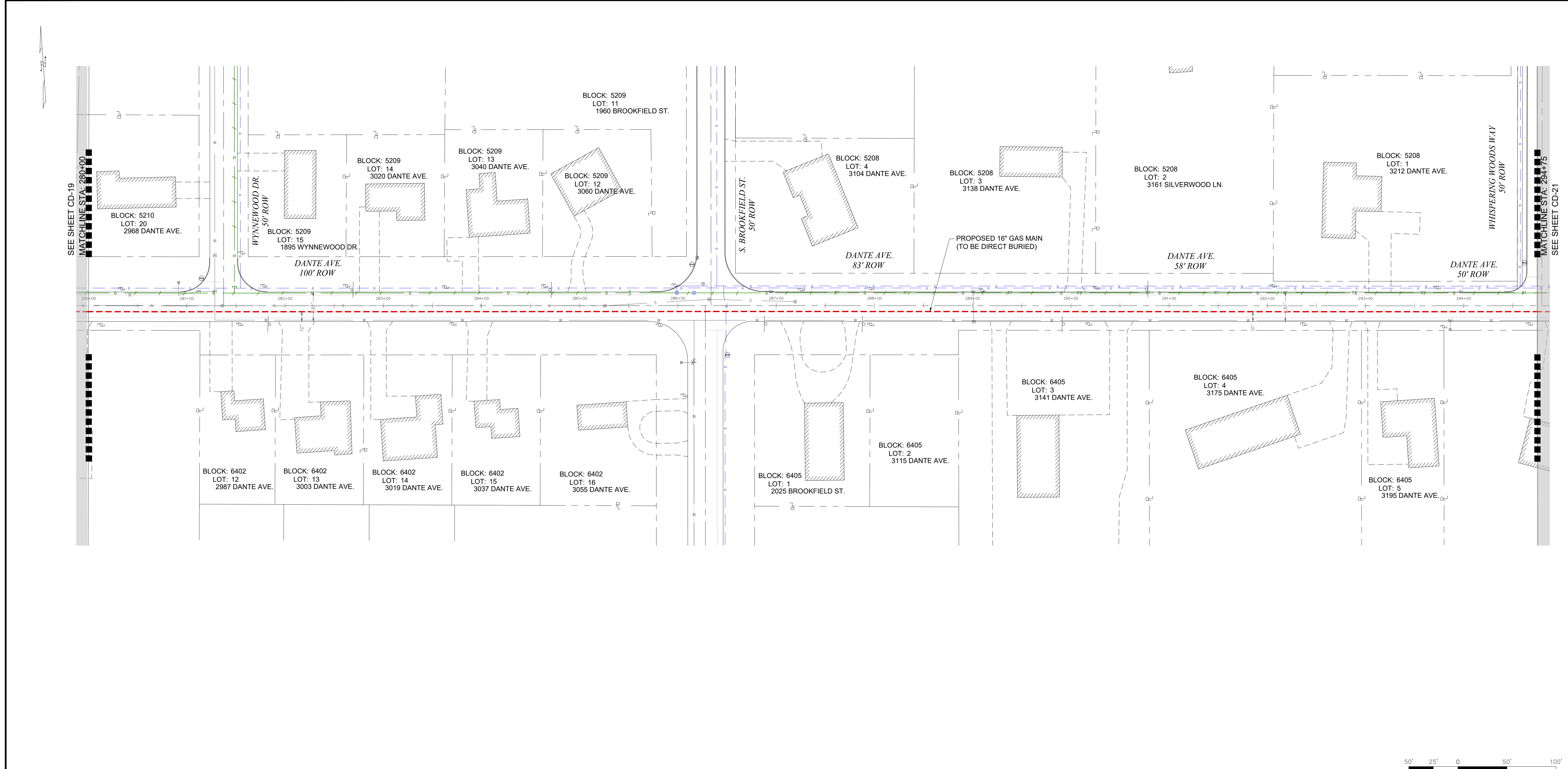
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 19

16"Ø8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

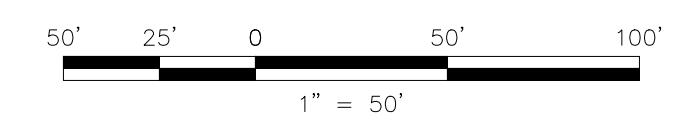
CITY OF VINELAND

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 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	DANTE AVE. PUBLIC ROW		
STATION	280+00		294+75
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



**PRELIMINARY
NOT FOR CONSTRUCTION**



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

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TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	22 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

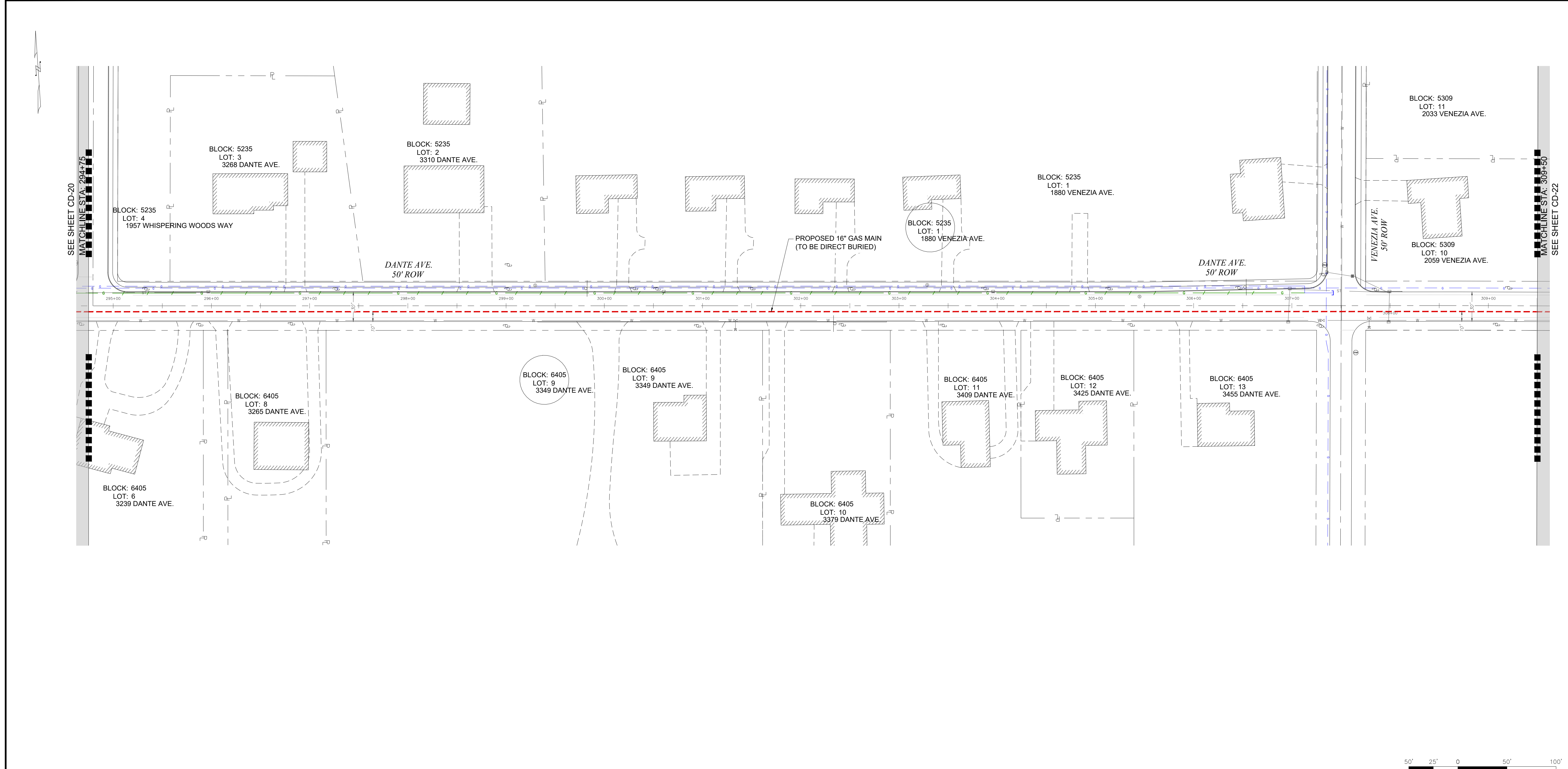
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 20

16" 8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

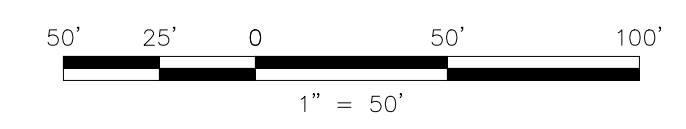
CITY OF VINELAND

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 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	DANTE AVE. PUBLIC ROW		
STATION	294+75		309+50
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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NOT FOR CONSTRUCTION**



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

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TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	23 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 21

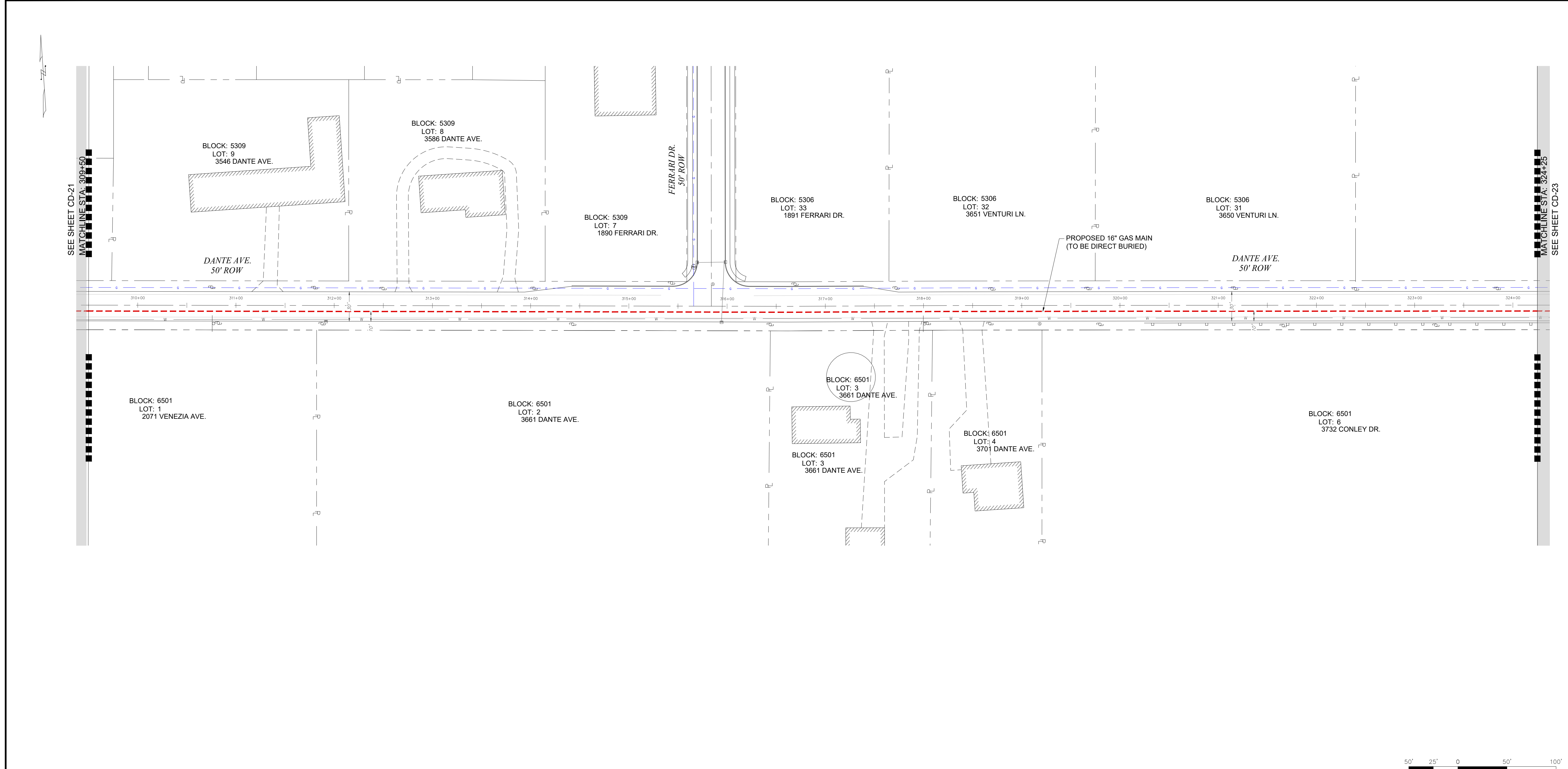
16" 8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY

CITY OF VINELAND NJ

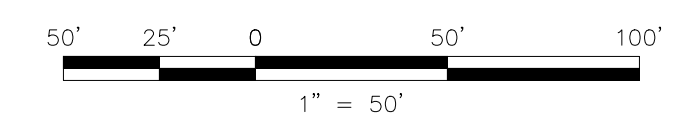
CD-21

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 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	DANTE AVE. PUBLIC ROW		
STATION	309+50		324+25
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

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TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	24 OF 33	DWG. NO.

SOUTH JERSEY GAS

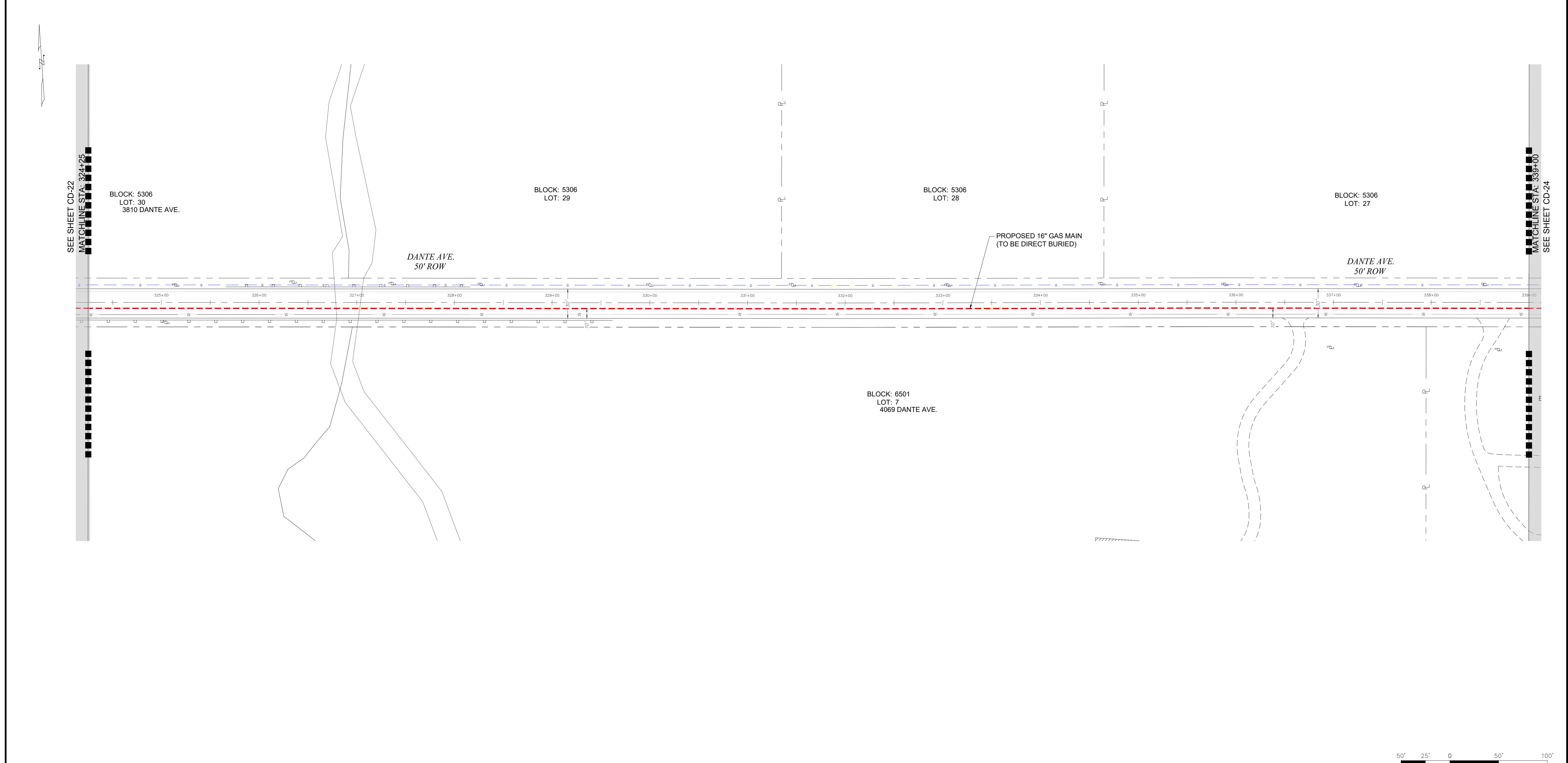
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 22

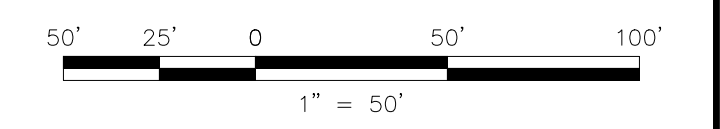
16" / 8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

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5/29/2019
dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	DANTE AVE. PUBLIC ROW		
STATION	324+25		339+00
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

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TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	25 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 23

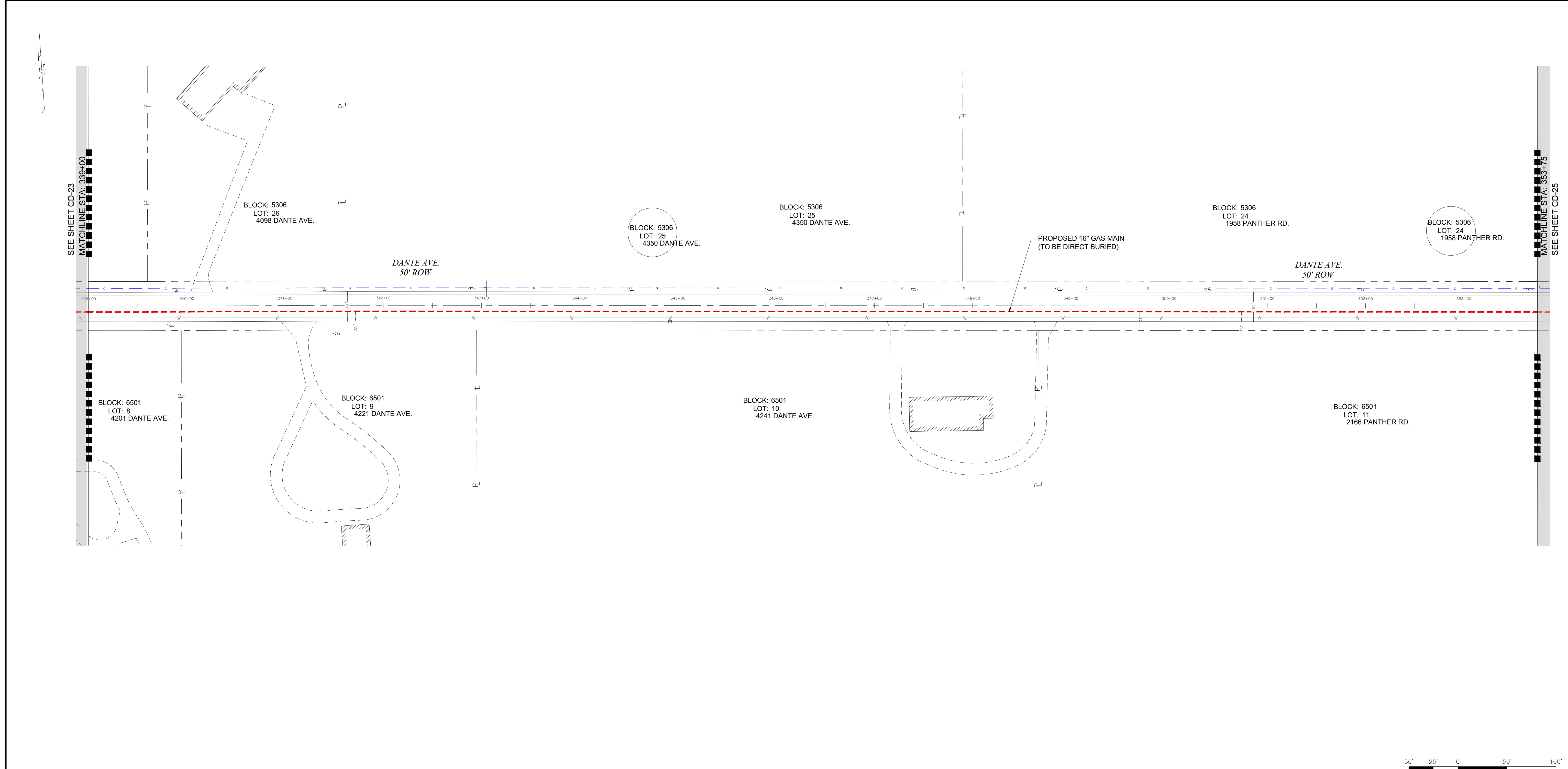
16"Ø8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

DWG. NO. **CD-23**

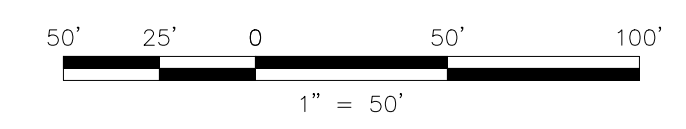
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5/29/2019
dkrupa

DRAWING LOCATION
LAST DATE SAVED
LAST SAVE BY

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	DANTE AVE. PUBLIC ROW		
STATION	339+00		353+75
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

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TECHNICAL SOLUTIONS
A HUBBARD & NORTON Group Company
VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	26 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 24

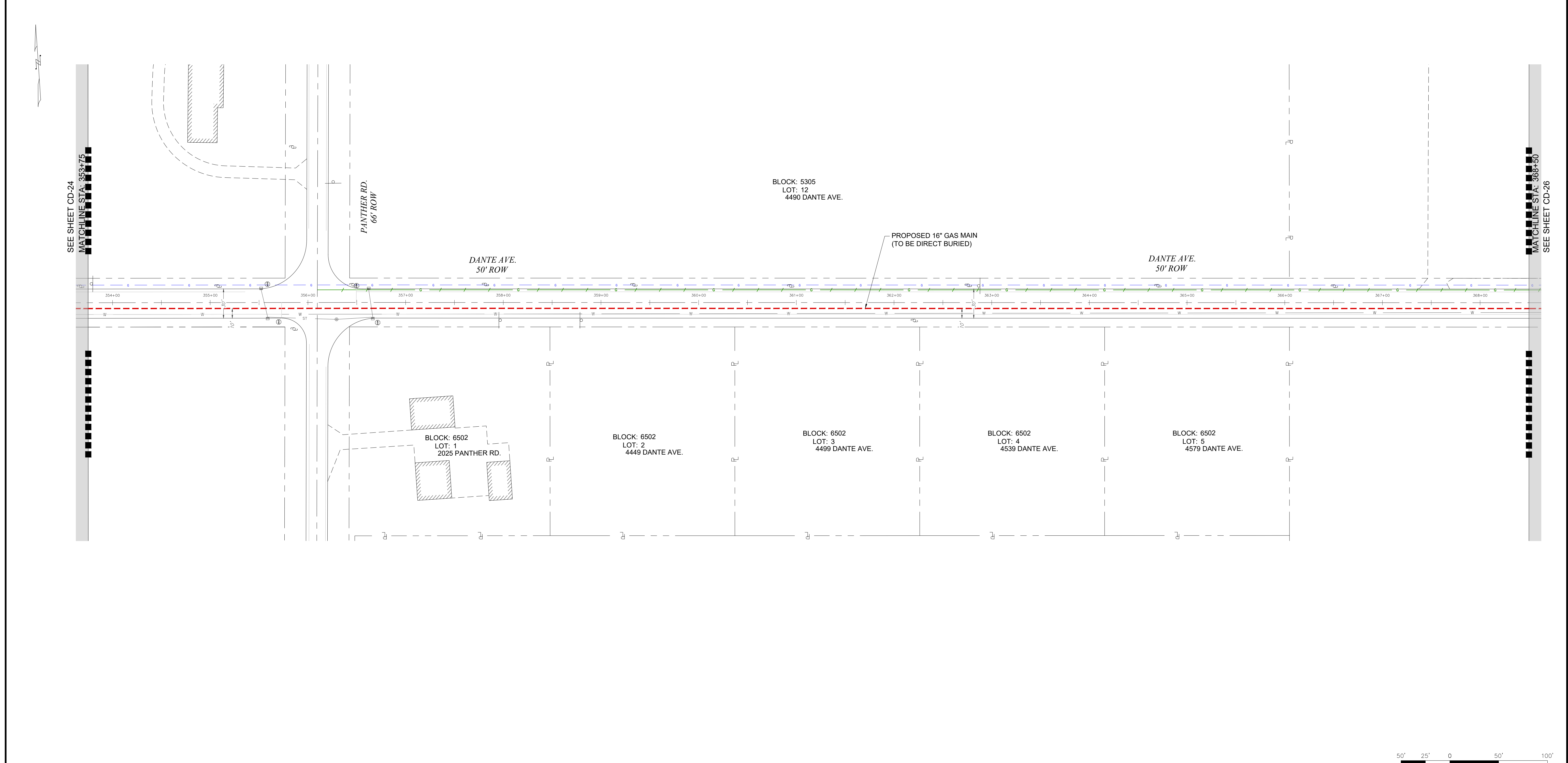
16"Ø8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY

CITY OF VINELAND NJ

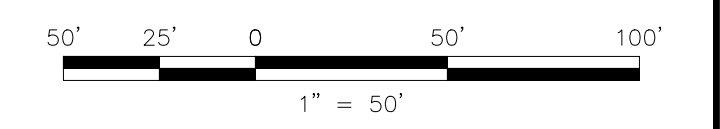
DWG. NO. CD-24

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 5/29/2019
 dkrupa

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	DANTE AVE. PUBLIC ROW		
STATION	353+75		368+50
FOOTAGE	1,475'		
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

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TECHNICAL SOLUTIONS
A HUBBARD & WOOD Group Company
VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	27 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

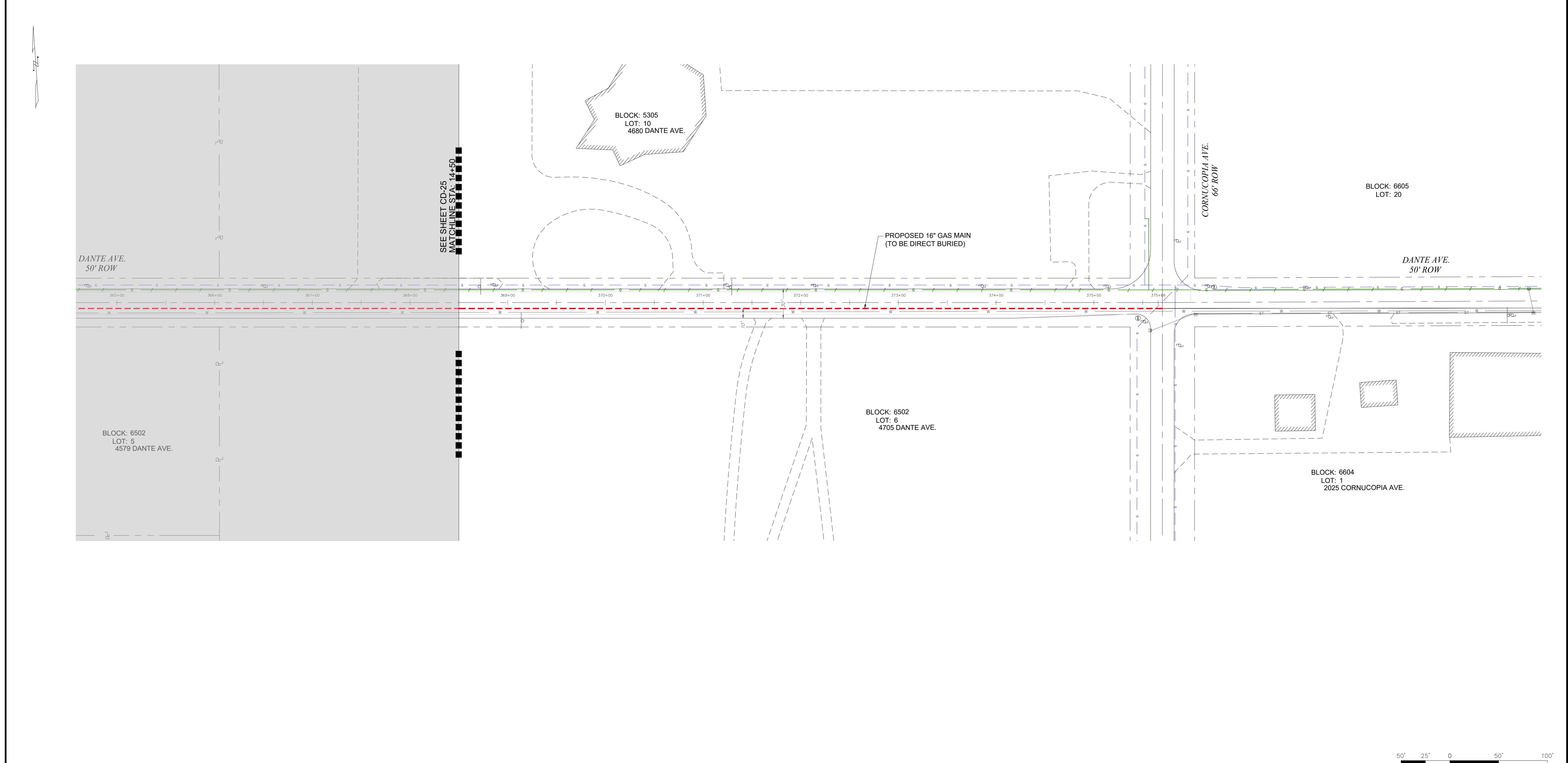
PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 25

16"Ø8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

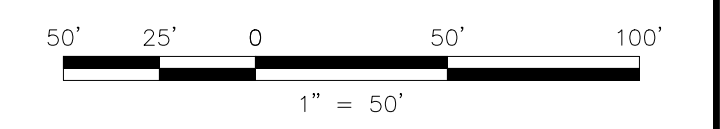
DWG. NO. CD-25

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COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	DANTE AVE. PUBLIC ROW	
STATION	368+50	375+66
FOOTAGE	720'	
MATERIAL	16" O.D., X65 WRAPPED STEEL PIPE	



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ONE CALL

CALL BEFORE YOU DIG
1-800-272-1000

TO LOCATE UNDERGROUND UTILITIES
IF YOU'RE GOING TO DIG, BLAST OR DRILL
THREE (3) WORKING DAYS NOTICE

REMEMBER
IT'S THE LAW!

Dig Safely.

No.	Revision	Approve	Date
1	ISSUED FOR REVIEW		06/07/19
2	PRELIMINARY BASEMAPS FOR REVIEW		09/30/19
3	PRELIMINARY BASEMAPS FOR FILING		12/09/19
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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AWI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	28 OF 33	DWG. NO.

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 16" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 26

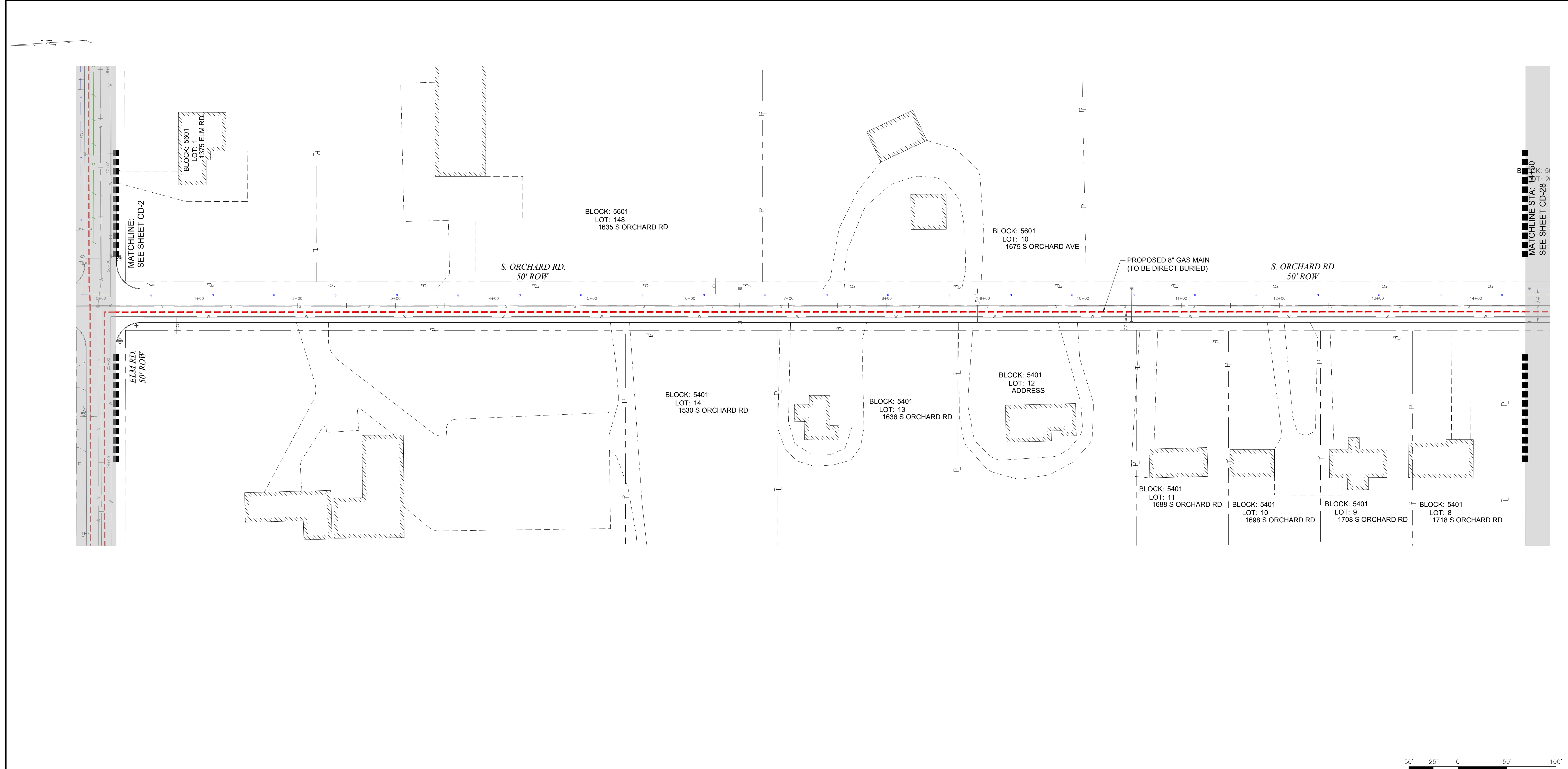
16" / 8" VINELAND PROJECT
DANTE AVE.
CUMBERLAND COUNTY NJ

DWG. NO. **CD-26**

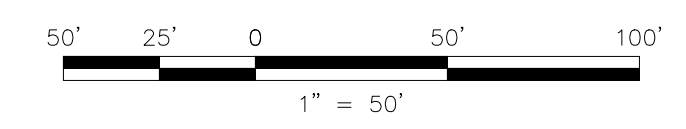
P:\Projects\Active\Pipeline\SIG (South Jersey Gas)\Elmer Road Reliability Project3.
Execution\CAD\Elmer Road Reliability Project.dwg
12/09/2019
ecarchoi

DRAWING LOCATION
LAST DATE SAVED
LAST SAVE BY

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	S. ORCHARD RD. PUBLIC ROW		
STATION	0+00		14+50
FOOTAGE	1,450'		
MATERIAL	8.625" O.D., X52 WRAPPED STEEL PIPE		



**PRELIMINARY
NOT FOR CONSTRUCTION**



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS
A HANOVER GROUP COMPANY

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	29 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 8" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 27

16"8" VINELAND PROJECT
S. ORCHARD RD.
CUMBERLAND COUNTY NJ

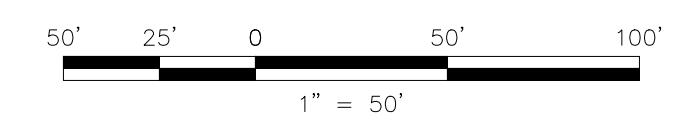
DWG. NO. **CD-27**

P:\Projects\Active\Pipeline\SJG (South Jersey Gas)\Elmer Road Reliability Project3.
Execution\CAD\Elmer Road Reliability Project.dwg
12/09/2019
ecarndhl

COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	S. ORCHARD RD. PUBLIC ROW	
STATION	14+50	29+25
FOOTAGE	1,475'	
MATERIAL	8.625" O.D., X52 WRAPPED STEEL PIPE	



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NOT FOR CONSTRUCTION**



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS

A **PERKINS+WELLS** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	30	OF 33

SOUTH JERSEY GAS

1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 8" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 28

16" / 8" VINELAND PROJECT
S. ORCHARD RD.
CUMBERLAND COUNTY

CITY OF VINELAND NJ

DWG. NO. CD-28

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12/09/2019
ecarndhl

COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	S. ORCHARD RD. PUBLIC ROW		
STATION	29+25		44+00
FOOTAGE	1,475'		
MATERIAL	8.625" O.D., X52 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS
A HUBBARD & PARSONS Group Company
VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	31 OF 33	DWG. NO.

SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

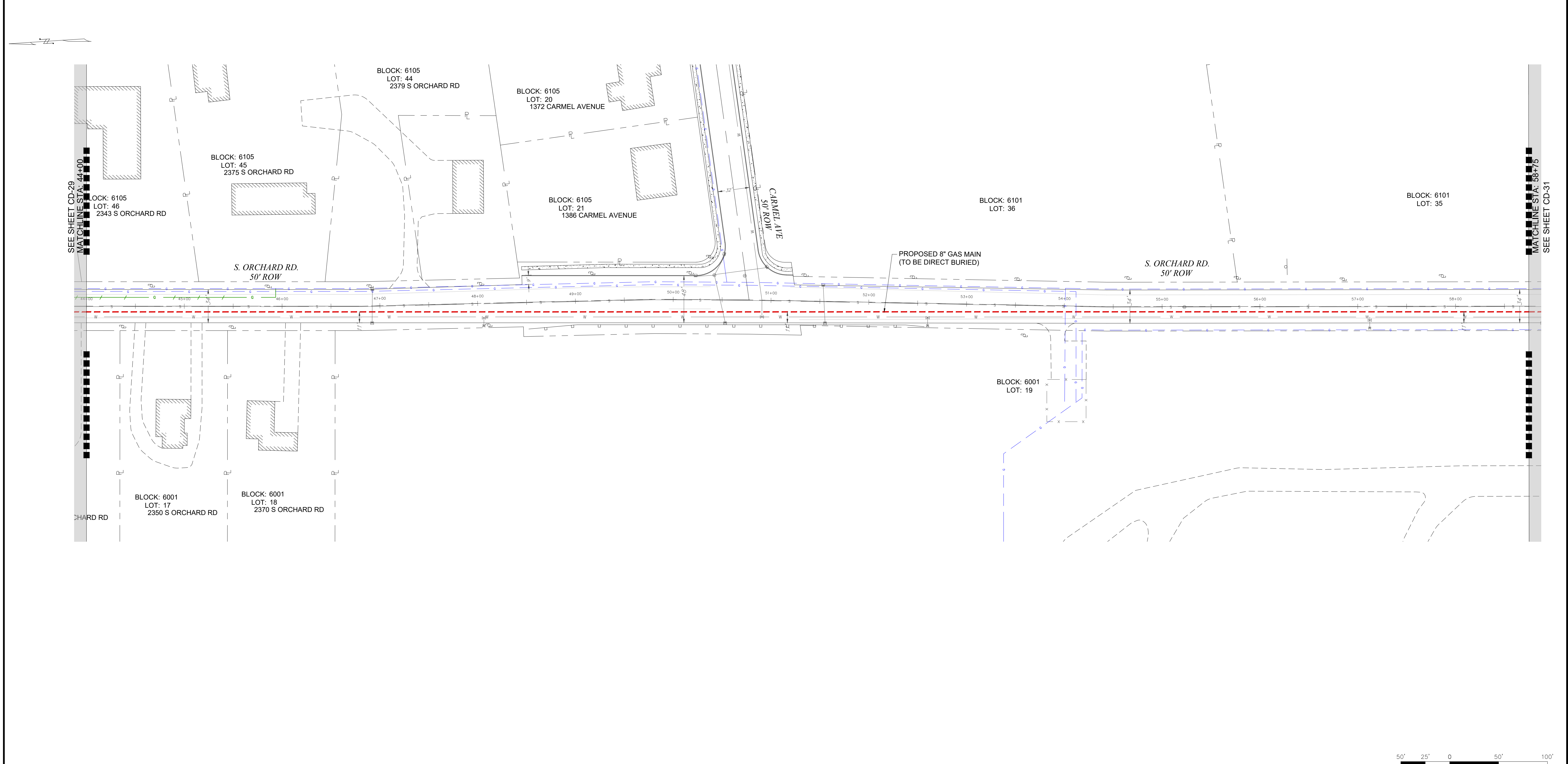
PROPOSED 8" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 29

16" 8" VINELAND PROJECT
S. ORCHARD RD.
CUMBERLAND COUNTY NJ

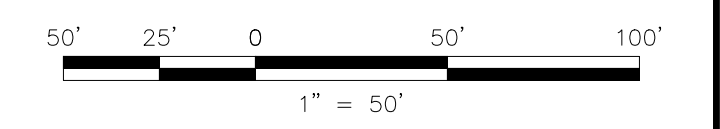
CD-29

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Execution\CAD\Elmer Road Reliability Project.dwg
12/9/2019
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COUNTY	CUMBERLAND COUNTY		
MUNICIPALITY	CITY OF VINELAND		
OWNER & PARCEL	S. ORCHARD RD. PUBLIC ROW		
STATION	44+00		58+75
FOOTAGE	1,475'		
MATERIAL	8.625" O.D., X52 WRAPPED STEEL PIPE		



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PETER WILDERS, PE
NJ LICENSE #24GE04327300

AMI
TECHNICAL SOLUTIONS

A **PERKINS+WILL** Group Company

VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	32 OF 33	DWG. NO.

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1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

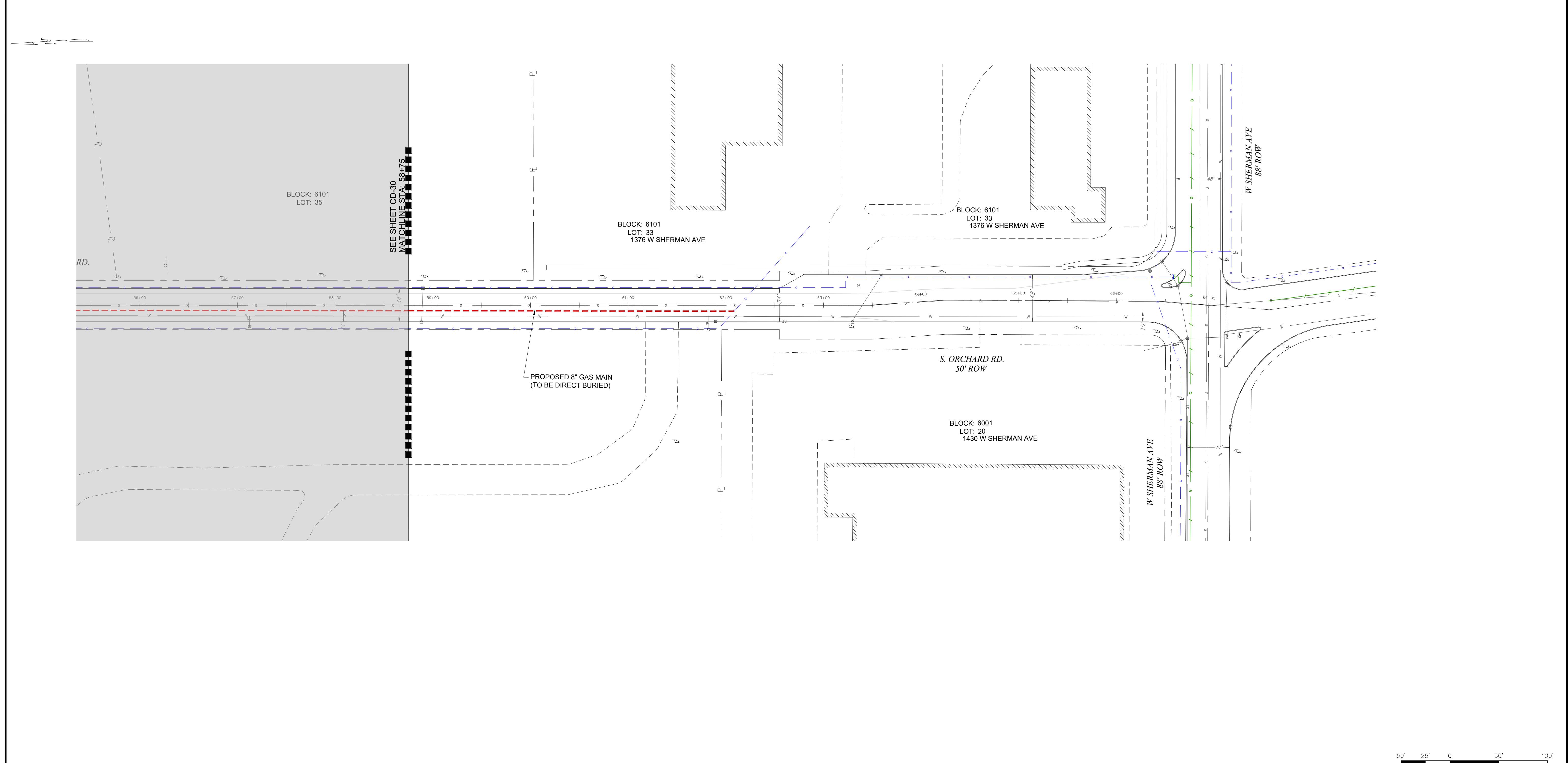
PROPOSED 8" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 30

16"8" VINELAND PROJECT
S. ORCHARD RD.
CUMBERLAND COUNTY NJ

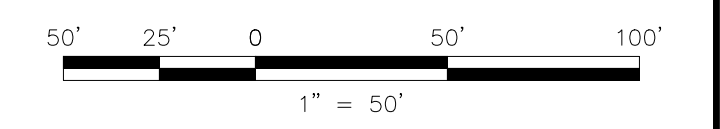
CITY OF VINELAND

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12/09/2019
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COUNTY	CUMBERLAND COUNTY	
MUNICIPALITY	CITY OF VINELAND	
OWNER & PARCEL	S. ORCHARD RD. PUBLIC ROW	
STATION	58+75	62+09
FOOTAGE	334'	
MATERIAL	8.625" O.D., X52 WRAPPED STEEL PIPE	



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TO LOCATE UNDERGROUND UTILITIES IF YOU'RE GOING TO DIG, BLAST OR DRILL, THREE (3) WORKING DAYS NOTICE

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Dig Safely.

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PETER WILDERS, PE
NJ LICENSE #24GE04327300

HMI
TECHNICAL SOLUTIONS
A HUBBARD+HOWE Group Company
VALLEY SQUARE THREE, STE. 200
512 TOWNSHIP LINE RD.
BLUE BELL, PA 1
P: 484-344-2161

DRAWN BY	SC	DATE	05/03/19	PLATE MAP
CHECKED BY	DPK	SCALE	1"=50'	MAP
APPROVED BY	FZ	SHEET	33 OF 33	DWG. NO.

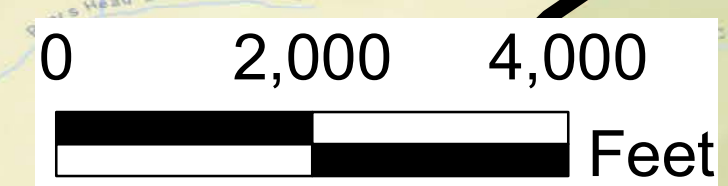
SOUTH JERSEY GAS
1 SOUTH JERSEY PLAZA, FOLSOM, N.J. 08037
TELEPHONE: (609) 561-9000 FAX: (609) 704-1802

PROPOSED 8" STEEL GAS MAIN EXTENSION
CUMBERLAND DIVISION
ALIGNMENT 31

16" 8" VINELAND PROJECT
S. ORCHARD RD.
CUMBERLAND COUNTY NJ

DWG. NO. CD-31

P:\Projects\Active\Palmetto\SIG (South Jersey Gas)\Elmer Road Reliability Project3.
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 eacardhl



BREWSTER RD LATERAL

MILLVILLE EXT.

NEW SENTURY LINE

PRIMARY ROUTE: ELMER ROAD

ALTERNATE A: GRANT AVENUE

8" MAIN

NEW REGULATOR STATION

NEW REGULATOR STATION

ALTERNATE B: SHERMAN AVENUE

WAG LINE

Vineland

Millville

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-  EXISTING PIPELINE
-  PRIMARY ROUTE: ELMER ROAD
-  8" MAIN
-  ALTERNATE A: GRANT AVE
-  ALTERNATE B: SHERMAN AVE
-  MUNICIPALITY BOUNDARY

SOUTH JERSEY GAS
1 SOUTH JERSEY PLACE, ATLANTIC CITY, NJ 08401
TELEPHONE: (609) 561-9000 FAX: 609-851-2371

EXHIBIT C
16" / 8" VINELAND PROJECT
ALTERNATE ROUTES

CITY OF VINELAND

MUNICIPALITY VINELAND	COUNTY CUMBERLAND	NEW JERSEY
DRAWN BY: AJB	DATE: 12/6/19	PLATE MAP
CHECKED BY: AL	SCALE: 1" = 200'	WORK ORDER No. 1
APPROVED BY: NA	SHEET 1 OF 1	WORK ORDER No. 2

16" Vineland Main

Name/Type of Building	Address	Approx. Footage/Side from Main	Block	Lot
Undeveloped/Vacant	1271 S MILL RD	N/A Left	5501	1
Single-Dwelling	1508 ELM RD	95' Left	5501	28
Single-Dwelling	1476 S ORCHARD RD	72' Left	5501	27
Single-Dwelling	1404 S ORCHARD RD	505' Left	5501	26
Commercial	1480 S DELSEA DR	58' Left	5502	54
Single-Dwelling	990 ELM RD	56' Left	5502	55
Single-Dwelling	1008 ELM RD	67' Left	5502	56
Single-Dwelling	1028 ELM RD	81' Left	5502	57
Single-Dwelling	1046 ELM RD	64' Left	5502	58
Single-Dwelling	1070 ELM RD	70' Left	5502	59
Single-Dwelling	1100 ELM RD	81' Left	5502	60
Single-Dwelling	1150 ELM RD	90' Left	5502	61
Single-Dwelling	1126 ELM RD	55' Left	5502	61.1
Single-Dwelling	1176 ELM RD	84' Left	5502	62
Single-Dwelling	1206 ELM RD	82' Left	5502	63
Single-Dwelling	1234 ELM RD	92' Left	5502	64
Single-Dwelling	1260 ELM RD	105' Left	5502	65
Single-Dwelling	1288 ELM RD	84' Left	5502	66
Single-Dwelling	1316 ELM RD	63' Left	5502	67
Single-Dwelling	1342 ELM RD	62' Left	5502	68
Single-Dwelling	1372 ELM RD	92' Left	5502	69
Undeveloped/Vacant	S MILL RD	N/A Right	5401	17
Commercial	1599 ELM RD	342' Right	5401	16
HCA	1520 S ORCHARD RD	154' Right	5401	15
Single-Dwelling	1375 ELM RD	87' Right	5601	1
Single-Dwelling	1361 ELM RD	85' Right	5601	2
Single-Dwelling	1341 ELM RD	94' Right	5601	3
Single-Dwelling	1321 ELM RD	90' Right	5601	4
Single-Dwelling	1520 WESTWOOD DR	87' Right	5601	5
Single-Dwelling	1517 WESTWOOD DR	102' Right	5602	1
Single-Dwelling	1211 ELM RD	73' Right	5602	2
Single-Dwelling	1189 ELM RD	72' Right	5602	3
Single-Dwelling	1519 MOSSWOOD DR	104' Right	5601	30
Single-Dwelling	1121 ELM RD	100' Right	5601	31
Undeveloped/Vacant	1095 ELM RD	N/A Right	5601	32
Single-Dwelling	1029 ELM RD	80' Right	5601	33
Commercial	975 ELM RD	78' Right	5603	1
Commercial	1524 S DELSEA DR	85' Right	5603	2
Commercial	1554 S DELSEA DR	78' Right	5603	3
Commercial	1600 S DELSEA DR	60' Right	5603	4
Commercial	1628 S DELSEA DR	68' Right	5603	5 & 6
Commercial	1668 S DELSEA DR	116' Right	5603	7
Commercial	1925 S DELSEA DR	91' Left	5701	46
Commercial	1903 S DELSEA DR	249' Left	5701	47
Commercial	1881 S DELSEA DR	84' Left	5701	48
Undeveloped/Vacant	1859 S DELSEA DR	N/A Left	5701	49
Commercial	1829 S DELSEA DR	89' Left	5701	50
Commercial	1813 S DELSEA DR	91' Left	5701	51
Commercial	1791 S DELSEA DR	116' Left	5701	52
Commercial	1715 S DELSEA DR	98' Left	5701	53
Commercial	1607 S DELSEA DR	61' Left	5701	54
Single-Dwelling	1589 S DELSEA DR	106' Left	5701	55
Commercial	1573 S DELSEA DR	108' Left	5701	56
Commercial	1537 S DELSEA DR	78' Left	5701	58
Commercial	1517 S DELSEA DR	121' Left	5701	59
Single-Dwelling	895 MICHAEL AVE	243' Right	5601	44
Commercial	1740 S DELSEA DR	86' Right	5601	45
Single-Dwelling	1764 S DELSEA DR	105' Right	5601	46
Single-Dwelling	1778 S DELSEA DR	107' Right	5601	47
Single-Dwelling	1804 S DELSEA DR	108' Right	5601	62
Single-Dwelling	1820 S DELSEA DR	105' Right	5601	63
Undeveloped/Vacant	1846 S DELSEA DR	N/A Right	5601	64
Commercial	1874 S DELSEA DR	98' Right	5601	65
Commercial	1888 S DELSEA DR	66' Right	5601	66
Multi-Dwelling	1920 S DELSEA DR	427' Right	5601	67
Single-Dwelling	1940 S DELSEA DR	99' Right	5601	68

Single-Dwelling	1960 S DELSEA DR	N/A Right	5601	69
Commercial	1790 S WEST BLVD	92' Left	5701	35
Commercial	230 W ELMER RD	70' Left	5701	36
Undeveloped/Vacant	290 W ELMER RD	N/A Left	5701	37
HCA	500 W ELMER RD	160' Left	5701	38
Undeveloped/Vacant	638 W ELMER RD	N/A Left	5701	40
Single-Dwelling	654 W ELMER RD	72' Left	5701	41
Single-Dwelling	668 W ELMER RD	67' Left	5701	42
Single-Dwelling	690 W ELMER RD	65' Left	5701	43
Single-Dwelling	710 W ELMER RD	70' Left	5701	44
Single-Dwelling	726 W ELMER RD	60' Left	5701	45
Commercial	1925 S DELSEA DR	65' Left	5701	46
Commercial	1959 S DELSEA DR	49' Right	6102	1 & 2
Single-Dwelling	637 W ELMER RD	89' Right	6102	3
Single-Dwelling	623 W ELMER RD	90' Right	6102	4
Single-Dwelling	611 W ELMER RD	78' Right	6102	5
Single-Dwelling	595 W ELMER RD	81' Right	6102	6
Single-Dwelling	577 W ELMER RD	101' Right	6102	7 (701)
Single-Dwelling	579 W ELMER RD	101' Right	6102	7 (702)
Single-Dwelling	563 W ELMER RD	84' Right	6102	8
Undeveloped/Vacant	523 W ELMER RD	N/A Right	6102	9
Single-Dwelling	493 W ELMER RD	76' Right	6102	10
Single-Dwelling	465 W ELMER RD	269' Right	6102	11
Commercial	429 W ELMER RD	1264' Right	6102	12
Commercial	351 W ELMER RD	112' Right	6102	13
Commercial	317 W ELMER RD	116' Right	6102	14
Commercial	271 W ELMER RD	125' Right	6102	15
Commercial	211 W ELMER RD	60' Right	6102	16
Commercial	121 W ELMER RD	476' Right	6102	17
Commercial	101 W ELMER RD	102' Right	6102	18
HCA	1940 S WEST BLVD	94' Right	6102	19
Single-Dwelling	488 E ELMER RD	64' Left	5801	47
Single-Dwelling	462 E ELMER RD	68' Left	5801	48
Single-Dwelling	448 E ELMER RD	64' Left	5801	49
Single-Dwelling	420 E ELMER RD	91' Left	5801	50
Single-Dwelling	390 E ELMER RD	556' Left	5801	51
Undeveloped/Vacant	E ELMER RD	N/A Left	5801	52
Single-Dwelling	288 E ELMER RD	271' Left	5801	53
Single-Dwelling	244 E ELMER RD	111' Left	5801	54
Single-Dwelling	228 E ELMER RD	107' Left	5801	55
Single-Dwelling	210 E ELMER RD	331' Left	5801	56
Single-Dwelling	184 E ELMER RD	116' Left	5801	57
HCA	158 E ELMER RD	118' Left	5801	58
Single-Dwelling	114 E ELMER RD	108' Left	5801	59.1
Single-Dwelling	96 E ELMER RD	109' Left	5801	59.2
Single-Dwelling	78 E ELMER RD	94' Left	5801	59.3
Single-Dwelling	126 E ELMER RD	110' Left	5801	59.5
Single-Dwelling	138 E ELMER RD	109' Left	5801	59.6
Single-Dwelling	148 E ELMER RD	111' Left	5801	59.7
Single-Dwelling	1807 S EAST BLVD	109' Left	5801	59
Single-Dwelling	658 E ELMER RD	88' Left	5808	11
Single-Dwelling	626 E ELMER RD	90' Left	5808	12
Single-Dwelling	606 E ELMER RD	122' Left	5808	13
Single-Dwelling	580 E ELMER RD	113' Left	5808	14
Single-Dwelling	562 E ELMER RD	107' Left	5808	15
Single-Dwelling	546 E ELMER RD	102' Left	5808	16
Single-Dwelling	1743 S EAST AVE	102' Left	5808	17
Single-Dwelling	1676 S MAIN RD	56' Left	5804	48
Single-Dwelling	1660 S MAIN RD	109' Left	5804	47
Single-Dwelling	974 E ELMER RD	97' Left	5804	49
Single-Dwelling	944 E ELMER RD	89' Left	5804	50
Single-Dwelling	908 E ELMER RD	97' Left	5804	51
Commercial	870 E ELMER RD	108' Left	5804	52
Single-Dwelling	850 E ELMER RD	90' Left	5804	53
Single-Dwelling	838 E ELMER RD	91' Left	5804	54
Single-Dwelling	824 E ELMER RD	86' Left	5804	55
Undeveloped/Vacant	780 E ELMER RD	N/A Left	5804	56
Undeveloped/Vacant	754 E ELMER RD	N/A Left	5804	57

Undeveloped/Vacant	720 E ELMER RD	N/A Left	5804	58
Single-Dwelling	684 E ELMER RD	81' Left	5804	59
Single-Dwelling	45 E ELMER RD	100' Right	6201	1
Single-Dwelling	65 E ELMER RD	98' Right	6201	2
Single-Dwelling	85 E ELMER RD	75' Right	6201	3
Single-Dwelling	115 E ELMER RD	74' Right	6201	4
Single-Dwelling	139 E ELMER RD	86' Right	6201	5
Single-Dwelling	153 E ELMER RD	96' Right	6201	5.1
Single-Dwelling	201 E ELMER RD	88' Right	6201	7
Undeveloped/Vacant	E ELMER RD	N/A Right	6201	8
Undeveloped/Vacant	E ELMER RD	N/A Right	6201	9
Single-Dwelling	373 E ELMER RD	91' Right	6201	10
Single-Dwelling	401 E ELMER RD	54' Right	6201	11
Single-Dwelling	419 E ELMER RD	111' Right	6201	12
Single-Dwelling	451 E ELMER RD	75' Right	6201	13
Single-Dwelling	481 E ELMER RD	74' Right	6201	14
Single-Dwelling	517 E ELMER RD	74' Right	6202	1
Single-Dwelling	525 E ELMER RD	N/A Right	6202	2
Single-Dwelling	555 E ELMER RD	75' Right	6202	3
Single-Dwelling	589 E ELMER RD	84' Right	6202	4
Single-Dwelling	625 E ELMER RD	84' Right	6202	5
Single-Dwelling	655 E ELMER RD	86' Right	6202	6
Single-Dwelling	677 E ELMER RD	71' Right	6202	7
Single-Dwelling	693 E ELMER RD	73' Right	6202	8
Single-Dwelling	709 E ELMER RD	83' Right	6202	9
Single-Dwelling	783 E ELMER RD	184' Right	6202	10
Single-Dwelling	829 E ELMER RD	222' Right	6202	11
Single-Dwelling	861 E ELMER RD	88' Right	6202	12
Single-Dwelling	899 E ELMER RD	67' Right	6202	13
Single-Dwelling	901 E ELMER RD	85' Right	6202	14
Single-Dwelling	923 E ELMER RD	84' Right	6202	15
Single-Dwelling	935 E ELMER RD	47' Right	6202	16
Single-Dwelling	947 E ELMER RD	52' Right	6202	17
Single-Dwelling	959 E ELMER RD	52' Right	6202	18
Single-Dwelling	961 E ELMER RD	49' Right	6202	19
Single-Dwelling	1710 S MAIN RD	84' Right	6202	20
Single-Dwelling	1692 S SPRING RD	66' Left	5901	74
Single-Dwelling	1952 E ELMER RD	103' Left	5901	75
Single-Dwelling	1944 E ELMER RD	72' Left	5901	76
Single-Dwelling	1938 E ELMER RD	74' Left	5901	77
Single-Dwelling	1912 E ELMER RD	72' Left	5901	78
Single-Dwelling	1886 E ELMER RD	67' Left	5901	79
Single-Dwelling	1862 E ELMER RD	75' Left	5901	80
Single-Dwelling	1844 E ELMER RD	72' Left	5901	81
Single-Dwelling	1818 E ELMER RD	70' Left	5901	82
Single-Dwelling	1798 E ELMER RD	70' Left	5901	83
Single-Dwelling	1766 E ELMER RD	67' Left	5901	84
Single-Dwelling	1746 E ELMER RD	82' Left	5901	85
HCA	1655 MAGNOLIA RD	945' Left	5901	34
Single-Dwelling	1616 E ELMER RD	123' Left	5901	86
Single-Dwelling	1590 E ELMER RD	155' Left	5901	87
Single-Dwelling	1554 E ELMER RD	88 Left	5901	88
Single-Dwelling	1528 E ELMER RD	92' Left	5901	89
Single-Dwelling	1482 E ELMER RD	80' Left	5901	90
Single-Dwelling	1456 E ELMER RD	70' Left	5901	91
Single-Dwelling	1430 E ELMER RD	82' Left	5901	92
Single-Dwelling	1410 E ELMER RD	70' Left	5901	93
Single-Dwelling	1380 E ELMER RD	73' Left	5901	94
Single-Dwelling	1358 E ELMER RD	72' Left	5901	95
Single-Dwelling	1332 E ELMER RD	117' Left	5901	96
Undeveloped/Vacant	1310 E ELMER RD	N/A Left	5901	98
Single-Dwelling	1282 E ELMER RD	128' Left	5901	99
Undeveloped/Vacant	1258 E ELMER RD	N/A Left	5901	100
Undeveloped/Vacant	1240 E ELMER RD	N/A Left	5901	101
Single-Dwelling	1220 E ELMER RD	96' Left	5901	102
Single-Dwelling	1204 E ELMER RD	93' Left	5901	103
HCA	1611 S MAIN RD	314' Left	5901	112
Single-Dwelling	1182 E ELMER RD	92' Left	5901	104

Single-Dwelling	1164 E ELMER RD	86' Left	5901	105
Single-Dwelling	1148 E ELMER RD	82' Left	5901	106
Single-Dwelling	1132 E ELMER RD	82' Left	5901	107
Single-Dwelling	1116 E ELMER RD	81' Left	5901	108
Single-Dwelling	1659 S MAIN RD	48' Left	5901	109
Undeveloped/Vacant	1685 S MAIN RD	N/A Right	5902	1
Undeveloped/Vacant	1103 E ELMER RD	N/A Right	5902	2
Undeveloped/Vacant	1121 E ELMER RD	N/A Right	5902	3
Single-Dwelling	1137 E ELMER RD	52' Right	5902	4
Single-Dwelling	1149 E ELMER RD	51' Right	5902	5
Single-Dwelling	1159 E ELMER RD	42' Right	5902	6
Single-Dwelling	1173 E ELMER RD	54' Right	5902	7
Single-Dwelling	1185 E ELMER RD	43' Right	5902	8
Single-Dwelling	1207 E ELMER RD	80' Right	5902	9
Single-Dwelling	1227 E ELMER RD	80' Right	5902	10
Single-Dwelling	1241 E ELMER RD	50' Right	5902	11
Commercial	1267 E ELMER RD	450' Right	5902	12
Single-Dwelling	1307 E ELMER RD	80' Right	5902	13
Single-Dwelling	1335 E ELMER RD	87' Right	5902	14
Single-Dwelling	1351 E ELMER RD	72' Right	5902	14.1
Single-Dwelling	1365 E ELMER RD	90' Right	5902	14.2
Single-Dwelling	1381 E ELMER RD	86' Right	5902	15
Single-Dwelling	1413 E ELMER RD	93' Right	5902	16
Single-Dwelling	1429 E ELMER RD	88' Right	5902	17
Single-Dwelling	1455 E ELMER RD	98' Right	5902	18
Single-Dwelling	1489 E ELMER RD	86' Right	5902	19
Single-Dwelling	1515 E ELMER RD	83' Right	5902	20
Single-Dwelling	1535 E ELMER RD	104' Right	5902	21
Single-Dwelling	1551 E ELMER RD	102' Right	5902	22
Single-Dwelling	1585 E ELMER RD	93' Right	5902	23
Single-Dwelling	1595 E ELMER RD	118' Right	5902	24
Single-Dwelling	1611 E ELMER RD	125' Right	5902	25
Single-Dwelling	1657 E ELMER RD	95' Right	5902	26
Single-Dwelling	1733 E ELMER RD	125' Right	5902	27
Single-Dwelling	1757 E ELMER RD	92' Right	5902	28
Single-Dwelling	1773 E ELMER RD	90' Right	5902	29
Single-Dwelling	1793 E ELMER RD	95' Right	5902	30
Single-Dwelling	1811 E ELMER RD	85' Right	5902	31
Single-Dwelling	1835 E ELMER RD	86' Right	5902	32
Single-Dwelling	1875 E ELMER RD	86' Right	5902	33
Single-Dwelling	1901 E ELMER RD	110' Right	5902	34
Single-Dwelling	1927 E ELMER RD	128' Right	5902	35
Single-Dwelling	1947 E ELMER RD	118' Right	5902	36.1
Single-Dwelling	1746 S SPRING RD	158' Right	5902	36
Commercial	1760 S LINCOLN AVE	107' Left	5223	25
Commercial	1812 S LINCOLN AVE	90' Left	5223	26
Single-Dwelling	2180 DANTE AVE	100' Left	5223	27
Single-Dwelling	2156 DANTE AVE	107' Left	5223	28
Single-Dwelling	2142 DANTE AVE	87' Left	5223	29
Single-Dwelling	2128 DANTE AVE	110' Left	5223	30
Single-Dwelling	2098 DANTE AVE	114' Left	5223	31.1
Single-Dwelling	2078 DANTE AVE	111' Left	5223	31.2
Single-Dwelling	2058 DANTE AVE	82' Left	5223	31.3
Single-Dwelling	1715 S SPRING RD	111' Left	5223	31
HCA	1781 S SPRING RD	76' Right	6401	1
Single-Dwelling	2131 DANTE AVE	94' Right	6401	2
Multi-Dwelling	1890 S LINCOLN AVE	72' Right	6401	3
Commercial	1889 S LINCOLN AVE	123' Right	6402	1
Commercial	2375 DANTE AVE	124' Right	6402	2
Single-Dwelling	2419 DANTE AVE	142' Right	6402	3
Single-Dwelling	2575 DANTE AVE	102' Right	6402	4
Single-Dwelling	2675 DANTE AVE	82' Right	6402	5
Single-Dwelling	2703 DANTE AVE	107' Right	6402	6
Single-Dwelling	2769 DANTE AVE	2130' Right	6402	7
Single-Dwelling	2771 DANTE AVE	115' Right	6402	8
Single-Dwelling	2807 DANTE AVE	712' Right	6402	9
Undeveloped/Vacant	2875 DANTE AVE	N/A Right	6402	10
Single-Dwelling	2935 DANTE AVE	125' Right	6402	11

Undeveloped/Vacant	DANTE AVE	N/A Right	6402	11.1
Single-Dwelling	2987 DANTE AVE	86' Right	6402	12
Single-Dwelling	3003 DANTE AVE	104' Right	6402	13
Single-Dwelling	3019 DANTE AVE	106' Right	6402	14
Single-Dwelling	3037 DANTE AVE	97' Right	6402	15
Single-Dwelling	3055 DANTE AVE	94' Right	6402	16
Commercial	2330 DANTE AVE	80' Left	5221	10
Undeveloped/Vacant	2354 DANTE AVE	N/A Left	5221	9
Single-Dwelling	2546 DANTE AVE	94' Left	5222	11
Single-Dwelling	2526 DANTE AVE	80' Left	5222	12
Single-Dwelling	2508 DANTE AVE	78' Left	5222	13
Single-Dwelling	2488 DANTE AVE	83' Left	5222	14
Single-Dwelling	2468 DANTE AVE	72' Left	5222	15
Single-Dwelling	2448 DANTE AVE	82' Left	5222	16
Single-Dwelling	2430 DANTE AVE	80' Left	5222	17
Single-Dwelling	2414 DANTE AVE	80' Left	5222	18
Single-Dwelling	2400 DANTE AVE	80' Left	5222	19
Single-Dwelling	2380 DANTE AVE	90' Left	5222	20
Single-Dwelling	2820 DANTE AVE	104' Left	5210	11
Single-Dwelling	2968 DANTE AVE	108' Left	5210	20
Single-Dwelling	2950 DANTE AVE	106' Left	5210	21
Single-Dwelling	2926 DANTE AVE	108' Left	5210	22
Single-Dwelling	2908 DANTE AVE	108' Left	5210	23
Single-Dwelling	2890 DANTE AVE	106' Left	5210	24
Single-Dwelling	2872 DANTE AVE	106' Left	5210	25
Single-Dwelling	2854 DANTE AVE	108' Left	5210	26
Single-Dwelling	2832 DANTE AVE	100' Left	5210	27
Single-Dwelling	2758 DANTE AVE	78' Left	5210	28
Single-Dwelling	2738 DANTE AVE	84' Left	5210	29
Single-Dwelling	2720 DANTE AVE	82' Left	5210	30
Single-Dwelling	2700 DANTE AVE	86' Left	5210	31
Single-Dwelling	2680 DANTE AVE	82' Left	5210	32
Single-Dwelling	2660 DANTE AVE	82' Left	5210	33
Single-Dwelling	2640 DANTE AVE	83' Left	5210	34
Single-Dwelling	2620 DANTE AVE	83' Left	5210	35
Single-Dwelling	2602 DANTE AVE	81' Left	5210	36
Single-Dwelling	1911 DOLLY DR	104' Left	5210	37
Single-Dwelling	1960 BROOKFIELD ST	266' Left	5209	11
Single-Dwelling	3060 DANTE AVE	126' Left	5209	12
Single-Dwelling	3040 DANTE AVE	82' Left	5209	13
Single-Dwelling	3020 DANTE AVE	106' Left	5209	14
Single-Dwelling	1985 WYNNEWOOD DR	98' Left	5209	15
Single-Dwelling	3212 DANTE AVE	78' Left	5208	1
Single-Dwelling	3161 SILVERWOOD LN	271' Left	5208	2
Single-Dwelling	3138 DANTE AVE	140' Left	5208	3
Single-Dwelling	3104 DANTE AVE	86' Left	5208	4
Single-Dwelling	2056 VENEZIA AVE	98' Left	5237	19
Undeveloped/Vacant	3430 DANTE AVE	N/A Left	5237	1
Single-Dwelling	3406 DANTE AVE	106' Left	5237	2
Single-Dwelling	3382 DANTE AVE	102' Left	5237	3
Single-Dwelling	3358 DANTE AVE	106' Left	5237	4
Single-Dwelling	3334 DANTE AVE	103' Left	5237	5
Single-Dwelling	3310 DANTE AVE	103' Left	5237	6
Single-Dwelling	3268 DANTE AVE	110' Left	5237	7
Undeveloped/Vacant	1957 WHISPERING WOODS WAY	N/A Left	5237	8
Single-Dwelling	2025 BROOKFIELD ST	90' Left	6405	1
HCA	3141 DANTE AVE	104' Right	6405	2 & 3
Single-Dwelling	3175 DANTE AVE	118' Right	6405	4
Single-Dwelling	3195 DANTE AVE	89' Right	6405	5
Single-Dwelling	3239 DANTE AVE	129' Right	6405	6
Single-Dwelling	3261 DANTE AVE	319' Right	6405	7
Single-Dwelling	3265 DANTE AVE	110' Right	6405	8
Single-Dwelling	3349 DANTE AVE	90' Right	6405	9
Single-Dwelling	3379 DANTE AVE	184' Right	6405	10
Single-Dwelling	3409 DANTE AVE	89' Right	6405	11
Single-Dwelling	3425 DANTE AVE	99' Right	6405	12
Single-Dwelling	3455 DANTE AVE	99' Right	6405	13
Single-Dwelling	1890 FERRARI DR	202' Left	5309	7

Single-Dwelling	3586 DANTE AVE	106' Left	5309	8
Single-Dwelling	3546 DANTE AVE	111' Left	5309	9
Single-Dwelling	2059 VENEZIA AVE	78' Left	5309	10
Single-Dwelling	1891 FERRARI DR	284' Left	5306	33
Undeveloped/Vacant	3651 VENTURI LN	N/A Left	5306	32
Single-Dwelling	3650 VENTURI LN	596' Left	5306	31
Commercial	4049 ITALIA AVE	1952' Left	5306	15
Single-Dwelling	4098 DANTE AVE	208' Left	5306	26
Single-Dwelling	4350 DANTE AVE	511' Left	5306	25
Single-Dwelling	1958 PANTHER RD	172' Left	5306	24
Undeveloped/Vacant	4490 DANTE AVE	N/A Left	5305	12
HCA	4680 DANTE AVE	162' Left	5305	10
Single-Dwelling	2071 VENEZIA AVE	349' Right	6501	1
Undeveloped/Vacant	DANTE AVE	N/A Right	6501	2
Single-Dwelling	3661 DANTE AVE	94' Right	6501	3
Single-Dwelling	3701 DANTE AVE	154' Right	6501	4
Single-Dwelling	3732 CONLEY DR	310' Right	6501	6
Single-Dwelling	4069 DANTE AVE	239' Right	6501	7
Single-Dwelling	4201 DANTE AVE	260' Right	6501	8
Single-Dwelling	4221 DANTE AVE	240' Right	6501	9
Single-Dwelling	4241 DANTE AVE	84' Right	6501	10
Single-Dwelling	2166 PANTHER RD	839' Right	6501	11
Single-Dwelling	2025 PANTHER RD	90' Right	6502	1
Undeveloped/Vacant	4449 DANTE AVE	N/A Right	6502	2
Undeveloped/Vacant	4499 DANTE AVE	N/A Right	6502	3
Undeveloped/Vacant	4539 DANTE AVE	N/A Right	6502	4
Undeveloped/Vacant	4579 DANTE AVE	N/A Right	6502	5
Single-Dwelling	4705 DANTE AVE	259' Right	6502	6

8" Vineland Main

Name/Type of Building	Address	Approx. Footage/Side from Main	Block	Lot
Undeveloped/Vacant	1271 S MILL RD	N/A Left	5501	1
Single-Dwelling	1508 ELM RD	97' Left	5501	28
Single-Dwelling	1476 S ORCHARD RD	82' Left	5501	27
Single-Dwelling	1404 S ORCHARD RD	520' Left	5501	26
Undeveloped/Vacant	S MILL RD	N/A Right	5401	17
Commercial	1599 ELM RD	327' Right	5401	16
Undeveloped/Vacant	S ORCHARD RD	N/A Right	5401	6
Single-Dwelling	1936 S ORCHARD RD	233' Right	5401	7
Single-Dwelling	1718 S ORCHARD RD	134' Right	5401	8
Single-Dwelling	1708 S ORCHARD RD	140' Right	5401	9
Single-Dwelling	1698 S ORCHARD RD	140' Right	5401	10
Single-Dwelling	1688 S ORCHARD RD	140' Right	5401	11
Single-Dwelling	1674 S ORCHARD RD	95' Right	5401	12
Single-Dwelling	1636 S ORCHARD RD	85' Right	5401	13
Single-Dwelling	1530 S ORCHARD RD	312' Right	5401	14
HCA	1520 S ORCHARD RD	125' Right	5401	15 & 15.1
Single-Dwelling	1375 ELM RD	130' Left	5601	1
Commercial	1635 S ORCHARD RD	138' Left	5601	148
Single-Dwelling	1675 S ORCHARD RD	84' Left	5601	10
Undeveloped/Vacant	1811 S ORCHARD RD	N/A Left	5601	20
Single-Dwelling	1394 GARRISON RD	88' Left	5601	134
Undeveloped/Vacant	2183 S ORCHARD RD	N/A Left	5601	135
Single-Dwelling	2163 S ORCHARD RD	80' Left	5601	136
Single-Dwelling	2133 S ORCHARD RD	84' Left	5601	137
Single-Dwelling	2109 S ORCHARD RD	69' Left	5601	138
Single-Dwelling	2079 S ORCHARD RD	108' Left	5601	139
Single-Dwelling	2053 S ORCHARD RD	107' Left	5601	140
Single-Dwelling	2021 S ORCHARD RD	82' Left	5601	141
Single-Dwelling	1961 S ORCHARD RD	86' Left	5601	142
Single-Dwelling	1955 S ORCHARD RD	113' Left	5601	143
Single-Dwelling	1943 S ORCHARD RD	82' Left	5601	144
Single-Dwelling	1923 S ORCHARD RD	80' Left	5601	145
Undeveloped/Vacant	1911 S ORCHARD RD	N/A Left	5601	146
Single-Dwelling	1901 S ORCHARD RD	104' Left	5601	147
Single-Dwelling	2066 S ORCHARD RD	88' Right	6001	3
Single-Dwelling	2034 S ORCHARD RD	57' Right	6001	4
Undeveloped/Vacant	2078 S ORCHARD RD	N/A Right	6001	5
Single-Dwelling	2098 S ORCHARD RD	92' Right	6001	6
Single-Dwelling	2110 S ORCHARD RD	92' Right	6001	7
Single-Dwelling	2130 S ORCHARD RD	93' Right	6001	8
Single-Dwelling	2166 S ORCHARD RD	98' Right	6001	9
Single-Dwelling	2198 S ORCHARD RD	84' Right	6001	10
Single-Dwelling	2226 S ORCHARD RD	87' Right	6001	11
Undeveloped/Vacant	2254 S ORCHARD RD	N/A Right	6001	12
Single-Dwelling	2258 S ORCHARD RD	90' Right	6001	13
Single-Dwelling	2288 S ORCHARD RD	91' Right	6001	14
Single-Dwelling	2310 S ORCHARD RD	83' Right	6001	15
Single-Dwelling	2330 S ORCHARD RD	86' Right	6001	16
Single-Dwelling	2350 S ORCHARD RD	90' Right	6001	17
Single-Dwelling	2370 S ORCHARD RD	91' Right	6001	18
Commercial	2600 S ORCHARD RD	385' Right	6001	19
Commercial	1430 W SHERMAN AVE	N/A Right	6001	20
Single-Dwelling	2255 S ORCHARD RD	126' Left	6105	1
Single-Dwelling	2395 S ORCHARD RD	101' Left	6105	43
Undeveloped/Vacant	2425 S ORCHARD RD	N/A Left	6105	44
Single-Dwelling	2375 S ORCHARD RD	100' Left	6105	45
Single-Dwelling	2343 S ORCHARD RD	136' Left	6105	46
Single-Dwelling	2321 S ORCHARD RD	113' Left	6105	47
Single-Dwelling	2295 S ORCHARD RD	86' Left	6105	48
Single-Dwelling	1386 CARMEL AVE	118' Left	6105	21
Undeveloped/Vacant	2477 S ORCHARD RD	N/A Left	6101	36
Commercial	2557 S ORCHARD RD	103' Left	6101	35
Commercial	1376 W SHERMAN AVE	N/A Left	6101	33

NOTICE OF FILING AND PUBLIC HEARING

IN THE MATTER OF THE PETITION OF SOUTH JERSEY GAS COMPANY FOR AUTHORIZATION TO CONSTRUCT AND OPERATE DISTRIBUTION MAIN PURSUANT TO N.J.A.C. 14:7-1.4

PLEASE TAKE NOTICE that on December 19, 2019, South Jersey Gas Company (“South Jersey”) filed a Petition with the New Jersey Board of Public Utilities (“Board”) requesting that the Board issue an order pursuant to N.J.A.C. 14:7-1.4 approving the installation of a new, approximately 9-mile natural gas distribution main that will consist of approximately 7.1 miles of 16-inch diameter main and approximately 1.6 miles of 8-inch diameter main with an alignment that runs through the City of Vineland, Cumberland County, New Jersey (the “Project”). The Project will operate in excess of 250 psig within 100 feet of 429 buildings intended for human occupancy. Owners and residents of these buildings have received personal notice. Pursuant to N.J.A.C. 14:7-1.4, the Project will comply with 49 CFR 192.

PLEASE TAKE FURTHER NOTICE that the Board will conduct a public hearing for the purpose of receiving comments from the public regarding the Petition. A public hearing will be held at the following time and location:

DATE, TIME and LOCATION TBD

A representative of the Board will preside at the hearing. The public is invited to attend and interested persons will be permitted to testify and/or make a statement of their views on the proposed Petition. In order to encourage full participation in this opportunity for public comments, please submit any requests for needed accommodations, including interpreters, listening devices, or mobility assistance, at least 48 hours prior to the hearing, to the attention of the Board Secretary at the address below. Interested parties may also submit comments regarding the Petition to the attention of Aida Camacho-Welch, Secretary, New Jersey Board of Public Utilities, 44 South Clinton Street, 3rd Floor, P.O. Box 350, Trenton, New Jersey 08625-0350.

Copies of the Petition are available for public inspection during regular business hours at the Board’s office at 44 South Clinton Avenue, Trenton, New Jersey 08625 and on the South Jersey Gas Company website at <https://southjerseygas.com/about-south-jersey-gas/regulatory-compliance-tariff-information.aspx>.