|  |                          |                      | PHYSIC                 |                    | EQUIREMENTS/\ of Virginia Beac                 |  | DITIONS   |                                |                         |          |  |
|--|--------------------------|----------------------|------------------------|--------------------|--|--|---|--------------------------------|-------------------------|----------|--|
|  |                          |                      |                        |                    |  |  | Position Number                                       | er(PCN):                       | B.000957.1              |          |  |
| Job Title:   | Engineer III             |                      |                        |                    |  |  |   |                                | _                       |          |  |
| Div./Office:   | PLN 160 Develo<br>Center | ppment Services      | Approver's Nai         | me                 |  |  |   |                                |                         |          |  |
| Date of Last Up  | date:                    | December 28,<br>2023 | Approver's Title       | 9                  |  |  |   |                                |                         |          |  |
|  |                          |                      |                        |                    |  |  |   |                                |                         |          |  |
| Fields to the right (Y/N): The position's<br>status AND If the background check must be<br>passed by the incumbent |                          |                      | Safety<br>Sensitive:   | No                 | Child Protective Services (CPS)<br>Background: |  | No  | VCIN Backgrou                  | nd:                     | No       |  |
|  |                          |                      | CJIS<br>Certification: | No                 | PREA Certification:                            |  | No  | Subject to Barr<br>Provisions: | ier Crime               | No       |  |
|  |                          |                      |                        | <u> </u>           | REQUIREMENTS                                   |  |   |                                |                         |          |  |
| FRI  | EQUENCY: Seldo           | m = Infrequent,      | < 5%; Occasiona        | l = 5% to 25% of t | ime on job; Frequ                              | uent = 25% to 75                                   | % of time on job                                      | ; Constant = Ove               | er 75% of time on       | job.     |  |
| Тур  | ical DURATION:           | Short = < 1 hr pe    | er occurrence; M       | oderate = 1-2 hr   | s per occurrence                               | e; Substantial = 2                                 | -6 hrs per occur                                      | rence; Long = >                | 6 hrs per occurre       | ence.    |  |
|  | P                        | hysical Deman        | ds                     |                    |  | Working Conditions                                 |   |                                |                         |          |  |
| Element  | Condition/               | Level/Value          | Frequency              | Duration           |  | Element  | Condition/Level/Value                                 |                                | Frequency               | Duration |  |
| Standing   |                          |                      | Occasional             | Short              |  | <b>Working Outsi</b>                               | side: in all weather conditions                       |                                | N/A                     | N/A      |  |
| Walking  |                          |                      | Occasional             | Short              |  | Working Alone w/others                             | <b>Torking Alone:</b> out of communication<br>/others |                                |                         | N/A      |  |
| Sitting  |                          |                      | Frequent               | Substantial        |  | Extreme  | N/A   |                                | N/A                     | N/A      |  |
| Reaching   | N/A                      |                      | N/A                    | N/A                |  | Temperatures                                       | ;   |                                |                         |          |  |
| Lifting  | Up to 10 lbs.            |                      | Seldom                 | Short              |  | Extreme Wetn                                       | treme Wetness   |                                | N/A                     | N/A      |  |
|  |                          |                      |                        |                    |  | Extreme Dryness                                    |   |                                | N/A                     | N/A      |  |
| Carnina  | Weight:                  | N/A                  | N/A                    | N/A                |  | Exposure to  | N/A   |                                | N/A                     | N/A      |  |
| Carrying   | Distance:                | N/A                  | N/A                    | N/A                |  | Traffic  |   |                                |                         |          |  |
| Pushing  | Estimated weight-re      |                      | sistance equiva        | alency             |  | Congested Are                                      | •   |                                | N/A                     | N/A      |  |
| . 436  | N/A                      |                      | N/A                    | N/A                |  | Confined Space- Permit REQUIRED                    |   | RED                            | N/A                     | N/A      |  |
| Pulling  | Estimated weight-re      |                      | sistance equiva        | alency             | Working Bel                                    |  | w Ground  |                                | N/A                     | N/A      |  |
|  | N/A                      |                      | N/A                    | N/A                |  | Working at   | N/A   |                                | N/A                     | N/A      |  |
| Working  | N/A                      |                      | N/A                    | N/A                |  | Heights (ft.)                                      |   |                                |                         |          |  |
| Overhead   |                          |                      |                        |                    |  |  | 85 decibels TWA                                       | N/A                            | N/A                     | N/A      |  |
|  | Weight:                  | N/A                  | N/A                    | N/A                |  | for 8 hrs.   | 1   |                                |                         |          |  |
| Climbing Stairs  |                          |                      | N/A                    | N/A                |  |  | N/A   |                                | N/A                     | N/A      |  |
| Climbing Ladders   |                          |                      | N/A                    | N/A                |  | Vibrations   |   | T                              |                         |          |  |
| Balancing  |                          |                      | N/A                    | N/A                |  |  | Body area(s): Ex- Trunk, shou                         |                                | 1                       | 1        |  |
| Stooping   |                          |                      | N/A                    | N/A                |  |  | / Dirt / Particulate                                  |                                |                         | N/A      |  |
| Kneeling/Squatting   |                          |                      | N/A                    | N/A                |  | Radiation  |   |                                | N/A                     | N/A      |  |
| Bending  |                          |                      | N/A                    | N/A                |  | Silica/Fiberglass                                  |   | N/A                            | N/A                     |          |  |
| Crawling   |                          |                      | N/A                    | N/A                |  | Asbestos   | Intra   |                                | N/A                     | N/A      |  |
| <b>Explosive Strength:</b> Short bursts of muscle force to propel oneself.   |                          |                      | N/A                    | N/A                |  | Aerosols &<br>Gases                                | N/A   |                                | N/A                     | N/A      |  |
| torce to proper  | orresen.                 |                      | NI/A                   | N/A                |  | Gases  |   |                                | N/A                     |          |  |
| Trunk Strength: Use of abdominal and lower back muscles.   |                          | N/A                  | N/A                    |                    | Hazardous Mat                                  | terials  |   | undefined                      |                         |          |  |
|  |                          |                      |                        |                    | /Chemicals                                     |  |   | undefined                      |                         |          |  |
| Dynamic Stren  | agth. Hea of mus         | cle force            | N1/A                   | NI/A               |  |  | IN. / A   |                                |                         | IN. /A   |  |
| <b>Dynamic Strength:</b> Use of muscle force repeatedly or continuously & resistant to                             |                          |                      | N/A                    | N/A                |  | Petroleum  | N/A   |                                | N/A                     | N/A      |  |
| fatigue.   | ,                        |                      |                        |                    |  | Products   |   |                                |                         |          |  |
| Repetitive<br>Limb   | Fingers/Wrist            |                      | Frequent               | Moderate           |  | Electrical Hazard                                  |   |                                | N/A                     | N/A      |  |
| Movement   |                          |                      |                        |                    |  | Fire Hazard  |   |                                |                         | N/A      |  |
|  | Use of computer keyboard |                      | Frequent               | Moderate           |  | Infectious   | N/A   |                                | N/A                     | N/A      |  |
| Dexterity  | Handwriting              |                      | Frequent               | Moderate           |  | Diseases   |   |                                |                         |          |  |
| Denetitive   | petitive N/A             |                      | N/A                    | N/A                |  | Exposure  Ex- Repair sewer pines: emr              |   | er nines: emnty                | y residence trash cans. |          |  |
| Repetitive<br>Twisting   |                          |                      |                        |                    |  | Type(s):   | ·   |                                | 1                       |          |  |
|  |                          | N/A                  | N/A                    |                    | Symbols:                                       | < equal to or less than > equal to or greater than |   | < less than > greater than     |                         |          |  |
| Positions &<br>Motions   | N/A                      |                      | IN/A                   | IN/A               |  |  | > equal to or   | greater than                   | > great                 | er UIdII |  |

|   | Sensory Deman                | ds          |          | Working Conditions (cont.)     |                                   |            |          |  |  |
|---|------------------------------|-------------|----------|--------------------------------|-----------------------------------|------------|----------|--|--|
| Element                                     | Condition/Level/Value        | Frequency   | Duration | Element                        | Condition/Level/Value             | Frequency  | Duration |  |  |
|   | 20/40 w/correction           | N/A         | N/A      |                                | N/A                               | N/A        | N/A      |  |  |
|   |                              |             |          | Hazardous                      |                                   |            |          |  |  |
| ision                                       |                              |             |          | Surfaces                       |                                   |            |          |  |  |
|   |                              | †           |          |                                | N/A                               | N/A        | N/A      |  |  |
| Hearing                                     | Conversational level         | N/A         | N/A      | Other Hazards                  | 1071                              | 14/74      | 14// (   |  |  |
| Smell                                       | N/A                          | N/A         | N/A      | Other Hazards                  |                                   |            |          |  |  |
|   | IN/A                         | IN/A        | IN/A     |                                | Marroy through the barrow to be a | F          |          |  |  |
|   |                              | 1           |          | Hours                          | More than 40 hours/week           | Frequent   |          |  |  |
|   |                              | ļ           |          |                                | More than 8 hours/day             | Frequent   |          |  |  |
| Touch                                       | N/A                          | N/A         | N/A      |                                | More than 5 consecutive days      | Occasional |          |  |  |
|   |                              |             |          | Telework                       | Yes                               |            |          |  |  |
| oice  | Presentations                | Occasional  | Moderate | Eligible                       |                                   |            |          |  |  |
|   | Personal Protective Equi     | pment (PPE) |          | Equipment Operation & Use      |                                   |            |          |  |  |
| Category                                    | Туре                         | Frequency   | Duration | Category                       | Туре                              | Frequency  | Duration |  |  |
|   | N/A                          | N/A         | N/A      | Motor                          | Sedan/Pickup/Van                  | Occasional | Short    |  |  |
| ye and Face                                 |                              |             |          | Vehicles                       | ·                                 |            |          |  |  |
| Protection                                  |                              |             |          |                                | N/A                               | N/A        | N/A      |  |  |
|   |                              | †           |          |                                |                                   |            |          |  |  |
| \   | N/A                          | N/A         | N/A      | Heavy<br>Equipment             |                                   |            |          |  |  |
| lespiration<br>Protection                   | IV/A                         | IN/A        | IN/A     |                                |                                   |            |          |  |  |
|   |                              |             |          |                                |                                   |            |          |  |  |
| Hearing<br>Protection<br>Head<br>Protection | N/A                          | N/A         | N/A      | Other                          | N/A                               | N/A        | N/A      |  |  |
|   |                              |             |          | Equipment or                   |                                   |            |          |  |  |
|   | Hard hat (impact protection) | Seldom      | Short    | Machinery                      |                                   |            |          |  |  |
|   |                              |             |          |                                |                                   |            |          |  |  |
|   |                              |             |          |                                | N/A                               | N/A        | N/A      |  |  |
|   | N/A                          | N/A         | N/A      | Hand-Held                      |                                   |            |          |  |  |
| Hand<br>Protection                          |                              | 1           |          | Power Tools                    |                                   |            |          |  |  |
|   |                              |             |          |                                |                                   |            |          |  |  |
| Foot  | Closed-toe street shoes      | Frequent    | Moderate |                                | N/A                               | N/A        | N/A      |  |  |
|   | closed toe street shoes      | rrequent    | Woderate | Hand Tools                     | 14/7.1                            | 1077       | 14// (   |  |  |
| rotection                                   |                              | +           |          | and                            |                                   |            |          |  |  |
|   | N. / A                       |             | 31/4     | Instruments                    |                                   |            |          |  |  |
| Body, Arm,<br>and Leg<br>Protection         | N/A                          | N/A         | N/A      |                                | _                                 |            |          |  |  |
|   |                              |             |          | Office                         | Computer                          | Frequent   | Moderate |  |  |
|   |                              |             |          | Machines &                     |                                   |            |          |  |  |
|   |                              |             |          | Equipment                      |                                   |            |          |  |  |
|   | Operator Licen               | se          |          | Commercial Driver's License    |                                   |            |          |  |  |
| IOTE: If CDL is                             | Туре                         |             |          | VA DMV requires: 20/40 in each |                                   |            |          |  |  |
| equired, show                               | Standard Driver's License    |             |          |                                | oic lens & ≥140° N/A              |            |          |  |  |
| DL Class in                                 |                              |             |          | horizontal vision              | horizontal vision.                |            |          |  |  |
| lement to                                   |                              |             |          |                                |                                   |            |          |  |  |
| ight.                                       |                              |             |          |                                |                                   |            |          |  |  |
|   |                              |             |          |                                |                                   |            |          |  |  |
| Other physical                              |                              |             |          |                                |                                   |            |          |  |  |
|   | king conditions,             |             |          |                                |                                   |            |          |  |  |
|   | zards, PPE, etc.,            |             |          |                                |                                   |            |          |  |  |
| ot indicated al                             | nove.                        |             |          |                                |                                   |            |          |  |  |

## **Mental Requirements**

Evaluate based on the level of complexity [least to most] inherent in the job using the examples provided; then select the number from the drop-down list that matches the column which best represents the mental demand required in each element.

Comprehend Verbal Communication - Understand information and directions which are provided verbally

Job requires the ability to understand and follow:

Complex information where interpretation of vision and strategy is required to develop policy and/or course of action.

2 Communicate Orally - Verbally express thoughts and directions

Job requires:

Communicating complex information to higher officials and authorities.

3 Comprehend and Follow Written Material or Instructions - Understand written material, interpret appropriately, and adhere to the procedures stated.

lob requires ability to comprehend:

Complex written material where significant interpretation and evaluation are required to successfully apply content without guidance.

4 Written Communication Skills - Express thoughts and directions in writing

Job requires:

Preparation of reports and documents involving complex information.

5 Maintain an Appropriate Work Pace - The flow or rate of incoming work assignments and the expectations for completion of tasks

ob requires ability to adhere to work schedule:

In moderately paced environment with some unexpected assignments.

6 Perform Complex or Varied Tasks - The variety of tasks and assignments and the level of complexity of those tasks/assignments

Job requires ability to perform:

A variety of complex tasks with little predictability as to their occurrence; tasks which are unlikely to reoccur.

7 Interact and Relate to Peers, Co-Workers, or the Public - The nature and level of interaction with others required of the job

Job requires interaction:

With diverse citizen groups, government officials, and/or business leaders exchanging sensitive information or completing complex projects.

8 Decision Making & Reasoning Ability - The extent to which the job requires logic to analyze information, draw conclusions/ generalizations, and make decisions based on facts lob requires:

Substantial reasoning and decision making. Research and evaluation are conducted, broad theories and principals are applied to the development of a recommended solution.

9 Memory and Recall - The body of stored knowledge required and the retrieval of that information to accomplish duties

Job requires the ability to:

Memorize complex procedures, policies, and laws, and recall and apply to difficult issues or develop innovative strategies or work products.

10 Flexibility and Adaptability - The extent to which one must adjust to changing circumstances and expectations, take on new challenges on short notice, and/or deal successfully with changing priorities and workloads

ob requires flexibility and willingness:

To change complex procedures to accommodate requirements of higher authorities.

11 Attention Span - Sustained attention or the time spent continuously on task without becoming distracted to successfully perform duties

Job tasks are:

Varied, lengthy, and require considerable focus. Lapses may result in injury or legal or financial liability.

12 Attention to Detail - Thoroughness and accuracy are required to accomplish tasks

Job tasks:

Involve numerous and various details, some of which have subtle differences, that require continuous and close attention to detail to facilitate accuracy of outcome. Inattention to detail could result in legal or financial liability.

13 Reaction Time - Describes work that requires an immediate response or decision

Job requires the ability to:

Provide an immediate response/decision to situations outside of normal daily operations, procedures or processes. Untimely response/decision could lead to serious injury, or legal or financial liability.

14 Direct, Control, and Plan the Work of Others - Determine the time, place and sequence of work procedures, operations, and actions. Establish goals and objectives, motivate, and promote cooperation and teamwork in the work group

Job requires:

No supervision or management of staff.

15 Influence Others - Obtain cooperation from others to accomplish tasks and objectives

Job requires:

Working with diverse groups; must obtain consensus on complex issues or policies from a variety of groups or individuals to complete work satisfactorily.

16 Stress Tolerance - Ability to perform duties without anxiety when faced with difficulties. Having positive stress tolerance is being able to stay calm in situations of heavy workload, tight deadlines, and/or difficult customers

Job requires the ability to:

Tolerate highest levels of stress resulting from complex situations; requires maintaining personal composure and initiating remedial action to alleviate stress for others.