PRELIMINARY SUBDIVISION PLANS
FOR:
PROPOSED

CENTECH PARK NORTH
SUB-DISTRICT A

LOCATION OF SITE:
384-386 SOUTH STREET, TOWN OF SHREWSBURY
WORCESTER COUNTY, MASSACHUSETTS
MAP #42, LOT #11

PLAN & PROFILE
LOCATION OF SITE:
MAP #42, LOT #11

AREA PLAN
REV 8 OF 13

LOCATION MAP
PREPARED BY
BOHLER ENGINEERING

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Sheet Title
OVERALL EXISTING CONDITIONS
1:3.4828
SCALE: 1"=2000'

Sheet Number
10/6/2014
4:26:00 PM
cclark
None
Letter (8.50 x 11.00 Inches)

Prepared by
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SOUTHBOROUGH, MA 01772
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GENERAL NOTES

1. GENERAL STRUCTURAL NOTES

   a. The Contractor is responsible for all structural aspects of the project.
   b. The Contractor is required to secure all necessary and/or required permits and approvals for all off-site material sources and disposal facilities.
   c. The Contractor must coordinate installation of water service materials, burial depth, and cover requirements specified by the local utility company.
   d. The Contractor’s price for water service must include all necessary permits.
   e. All utility services, including but not limited to gas, water, electric, sanitary and storm sewer, telephone, air conditioning, and heating shall be coordinated with the local utility company.
   f. The Contractor is required to provide notification of underground utility locations to the local utility company.
   g. The Contractor is required to secure all necessary and/or required permits and approvals for all off-site material sources and disposal facilities.
   h. The Contractor must coordinate installation of water service materials, burial depth, and cover requirements specified by the local utility company.
   i. The Contractor’s price for water service must include all necessary permits.
   j. All utility services, including but not limited to gas, water, electric, sanitary and storm sewer, telephone, air conditioning, and heating shall be coordinated with the local utility company.
   k. The Contractor is required to provide notification of underground utility locations to the local utility company.
   l. The Contractor is required to secure all necessary and/or required permits and approvals for all off-site material sources and disposal facilities.
   m. The Contractor must coordinate installation of water service materials, burial depth, and cover requirements specified by the local utility company.
   n. The Contractor’s price for water service must include all necessary permits.
   o. All utility services, including but not limited to gas, water, electric, sanitary and storm sewer, telephone, air conditioning, and heating shall be coordinated with the local utility company.
   p. The Contractor is required to provide notification of underground utility locations to the local utility company.
   q. The Contractor is required to secure all necessary and/or required permits and approvals for all off-site material sources and disposal facilities.
   r. The Contractor must coordinate installation of water service materials, burial depth, and cover requirements specified by the local utility company.
   s. The Contractor’s price for water service must include all necessary permits.
   t. All utility services, including but not limited to gas, water, electric, sanitary and storm sewer, telephone, air conditioning, and heating shall be coordinated with the local utility company.
   u. The Contractor is required to provide notification of underground utility locations to the local utility company.
   v. The Contractor is required to secure all necessary and/or required permits and approvals for all off-site material sources and disposal facilities.
   w. The Contractor must coordinate installation of water service materials, burial depth, and cover requirements specified by the local utility company.
   x. The Contractor’s price for water service must include all necessary permits.
   y. All utility services, including but not limited to gas, water, electric, sanitary and storm sewer, telephone, air conditioning, and heating shall be coordinated with the local utility company.
   z. The Contractor is required to provide notification of underground utility locations to the local utility company.

2. GENERAL DIMENSIONAL NOTES

   a. All dimensions are shown on the drawings and are intended to be used as guidelines only.
   b. The Contractor is required to coordinate all necessary and/or required permits and approvals for all off-site material sources and disposal facilities.
   c. The Contractor must coordinate installation of water service materials, burial depth, and cover requirements specified by the local utility company.
   d. The Contractor’s price for water service must include all necessary permits.
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   z. The Contractor is required to provide notification of underground utility locations to the local utility company.

3. GENERAL TEMPORARY PROTECTION NOTES

   a. All temporary protection measures, including but not limited to barriers, fencing, and lighting, shall be coordinated with the site supervisor.
   b. The Contractor is required to secure all necessary and/or required permits and approvals for all off-site material sources and disposal facilities.
   c. The Contractor must coordinate installation of water service materials, burial depth, and cover requirements specified by the local utility company.
   d. The Contractor’s price for water service must include all necessary permits.
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   z. The Contractor is required to provide notification of underground utility locations to the local utility company.
PROPOSED ROAD A

EXIST. UTILITY POLE (TO BE COORDINATED WITH UTILITY COMPANY)

EXIST. 8" PVC STUB CONNECT TO 0+00.00

PVI ELEV = 523.14

S S
G
MASSACHUSETTS LICENSE No. 41530

STA. 0+13.27 (8' R)

T E
E
W
FP
PVI ELEV = 521.71

105.00' VC

522

STA. 0+89.58 (-24' L)

CB101

516

514

522.25

G
ET&C

INV IN = 516.50 (12")

INV OUT = 516.90 (24")

PVI STA = 2+25.00

S
RIM = 523.98

GRADES (TYP.)

3+50.00

4+00.00

G
ET&C

9+50

6+00

G
ET&C

256' - 8" PVC SEWER @ 0.82%

33' - 12" HDPE @ 0.61%

INV IN = 514.25 (18")

INV OUT = 511.00 (24")

522.87

D
FUTURE DEVELOPMENT

ET&C

522

SERVICE STUBS TO FUTURE DEVELOPMENT

EVCS: 1+44.50

STA. 1+44.54

CB102

518.70 (12")

518.50 (12")

518.60 (12")

S
PROPOSED ROAD A

RIM = 522.49

INV IN = 515.60 (12")

1" = 4' VERTICAL

118' - 8" PVC SEWER @ 1.52%

26' - 12" HDPE @ 1.51%

INV OUT = 519.60 (12")

INV OUT = 520.20 (12")

INV OUT = 520.45

S
RIM = 520.50

STOP RADIUS = 105.00'

4+00.00

5+00.00

INV. = 516.30

FUTURE DEVELOPMENT

PROP. ELECTRIC SERVICE STUB TO

PVI ELEV = 530.98

CABLE SERVICE

CHECKED BY:

SHEET NUMBER:

PLAN & PROFILE

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CONSTRUCTION SEQUENCE

1. Site preparation and soil stabilization measures are completed. The site is graded to the desired contours and specifications.

2. Site utilities, underground infrastructure, and electrical work are completed prior to any surface work. All drainage and utility lines are properly protected.

3. Access roads for construction materials are established and maintained.

4. Construction of buildings and site improvements begins, followed by grading and fencing.

5. Landscape features such as retaining walls, terraces, and drainage systems are installed.

6. Plumbing and mechanical systems are completed prior to concrete and masonry work.

7. Landscaping and planting are completed last, ensuring proper establishment and protection of new vegetation.

8. Final grading and finish work are completed, followed by any necessary demolition or cleanup.

EROSION & SEDIMENT CONTROL NOTES

1. Erosion control measures include silt fences, straw bales, and temporary vegetation.

2. Silt fences shall be installed on all construction sites and maintained until project completion.

3. Straw bales shall be placed at least 10 feet away from the construction site edge.

4. Temporary vegetation shall be maintained until permanent vegetation is established.

5. Site preparation and soil stabilization measures are completed prior to any surface work.

6. Access roads for construction materials are established and maintained.

7. Construction of buildings and site improvements begins, followed by grading and fencing.

8. Landscape features such as retaining walls, terraces, and drainage systems are installed.

9. Plumbing and mechanical systems are completed prior to concrete and masonry work.

10. Landscaping and planting are completed last, ensuring proper establishment and protection of new vegetation.

11. Final grading and finish work are completed, followed by any necessary demolition or cleanup.

12. Erosion control measures include silt fences, straw bales, and temporary vegetation.

13. Silt fences shall be installed on all construction sites and maintained until project completion.

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16. Site preparation and soil stabilization measures are completed prior to any surface work.

17. Access roads for construction materials are established and maintained.

18. Construction of buildings and site improvements begins, followed by grading and fencing.

19. Landscape features such as retaining walls, terraces, and drainage systems are installed.

20. Plumbing and mechanical systems are completed prior to concrete and masonry work.

21. Landscaping and planting are completed last, ensuring proper establishment and protection of new vegetation.

22. Final grading and finish work are completed, followed by any necessary demolition or cleanup.

TREE PROTECTION DURING CONSTRUCTION

1. Tree protection during construction shall be installed for all site-identified trees.

2. Tree protection shall include a protective cylinder and associated wiring to minimize damage to the tree canopy.

3. Tree protection shall be installed prior to any construction activity that may damage the tree.

4. Tree protection shall be maintained throughout the construction period.

5. Tree protection shall be removed after the completion of the construction project.

6. Tree protection shall be removed in a manner that minimizes damage to the tree.

STABILIZED CONSTRUCTION EXIT

1. Stabilized construction exit shall be installed for all site-identified trees.

2. Stabilized construction exit shall include a protective cylinder and associated wiring to minimize damage to the tree canopy.

3. Stabilized construction exit shall be installed prior to any construction activity that may damage the tree.

4. Stabilized construction exit shall be maintained throughout the construction period.

5. Stabilized construction exit shall be removed after the completion of the construction project.

6. Stabilized construction exit shall be removed in a manner that minimizes damage to the tree.

TEMPORARY STOCKPILE DETAIL

1. Temporary stockpile detail shall be installed for all site-identified trees.

2. Temporary stockpile detail shall include a protective cylinder and associated wiring to minimize damage to the tree canopy.

3. Temporary stockpile detail shall be installed prior to any construction activity that may damage the tree.

4. Temporary stockpile detail shall be maintained throughout the construction period.

5. Temporary stockpile detail shall be removed after the completion of the construction project.

6. Temporary stockpile detail shall be removed in a manner that minimizes damage to the tree.

TYP. SILTATION FENCE DETAIL

1. Typical siltation fence detail shall be installed for all site-identified trees.

2. Typical siltation fence detail shall include a protective cylinder and associated wiring to minimize damage to the tree canopy.

3. Typical siltation fence detail shall be installed prior to any construction activity that may damage the tree.

4. Typical siltation fence detail shall be maintained throughout the construction period.

5. Typical siltation fence detail shall be removed after the completion of the construction project.

6. Typical siltation fence detail shall be removed in a manner that minimizes damage to the tree.

FILTER SACKS (GRADED INLETS)

1. Filter sacks shall be installed for all site-identified trees.

2. Filter sacks shall include a protective cylinder and associated wiring to minimize damage to the tree canopy.

3. Filter sacks shall be installed prior to any construction activity that may damage the tree.

4. Filter sacks shall be maintained throughout the construction period.

5. Filter sacks shall be removed after the completion of the construction project.

6. Filter sacks shall be removed in a manner that minimizes damage to the tree.

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Professional Engineer

Connecticut License No. 26177

Professional Engineer

Rhode Island License No. 9616

Professional Engineer

MAINE LICENSE No. 12553

Professional Engineer

COMMONWEALTH        OF       MASSACHUSETTS
REGISTERED PROFESSIONAL   ENGINEER

JOHN A. KUCICH CIVIL

No. 41530

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GSN DEVELOPMENT GROUP INC.

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