BOULDER BEND SUBDIVISION

BOULDER BEND DRIVE, PIPELINE ROAD AND PATRICIA AVENUE
RAYMOND, MAINE

APPLICATION:
R.N. WILEY & SONS, INC.
P.O. BOX 28
SOUTH CASCO, MAINE 04077

PROJECT SITE

PROJECT VICINITY MAP

APPLICANT:
R.N. WILEY & SONS, INC.
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SOUTH CASCO, MAINE 04077

BOULDER BEND SUBDIVISION
DRAWING SHEET INDEX

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ISSUED FOR REVIEW - NOT FOR CONSTRUCTION
OCTOBER 13, 2021
SEE STORMWATER FB-2 & FB-3
FB-1
SPILLWAY CREST ELEV.=B
LIMIT OF STORMWATER OVERHEAD UTILITIES
TREELINE
SCALE: HORIZ.: 1"=30'

SF
T
0-5
SHEET 6 OF 8
UGU
<2.0
200 CLAY
15-80
#200
8-15
#20
1/2"

DATE:
10-13-2021

R. N. WILEY & SONS, INC.
FOR RECORD OWNER:
SOUTH CASCO, MAINE 04077

EACH INSPECTION TO THE MAINE DEP BUREAU OF LAND RESOURCES FOR REVIEW.

PERFORM A PERMIABILITY TEST ON THE SOIL FILTER MEDIA MIXTURE CONFORMING TO TABLE 7.1 UNDERDRAIN 703.22 TYPE "B"
ORGANIC MATTER.

TABLE 7.4 SANDY LOAM
TABLE 7.3 LOAMY COARSE SAND

PERFORM A SIEVE ANALYSIS CONFORMING TO STM C136 (STANDARD TEST METHOD B)

SAMPLE MATERIAL.  THE RESULTING SOIL FILTER MEDIA MIXTURE MUST HAVE 8% TO 10% DRY WEIGHT OF THE MATERIAL TO SHOW THAT THEY ARE PASSING MDEP SPECIFICATIONS.

C) AFTER THE FILTER MEDIA HAS BEEN INSTALLED AND SEEDED.
D) AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS.

CONSTRUCTION SEQUENCE:

1. FILTER MEDIA
2. DRAINAGE LAYER
3. GEOTEXTILE
4. SEDIMENT FOREBAY
5. SUMP ELEV.=289.50

BASED ON ASTM D698
TEST PIT
1" = 30'

% PASSING BY WEIGHT
% PASSING BY WEIGHT

FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES 1996A) ON EACH TYPE OF THE SAMPLE MATERIAL.
EROSION AND SEDIMENTATION CONTROL NOTES:

1. NATURAL RESOURCE PROTECTION

To prevent erosion of natural resources, implement EROSION CONTROL MIX BERM INSTALLED 12" HIGH between 3' and 5' from a building, structure, or任何其他相关资源。此措施旨在减少径流，控制侵蚀，防止资源损失。

2. DUST CONTROL

为减少土方工程产生的尘土，应在临时通路（true temporary gravel pathways）上设置覆盖物（filter bag），并应使用覆盖物覆盖土方。此措施有助于减少尘土，保护环境。

3. MULCHING

实施覆盖物（mulch）措施，应确保覆盖物覆盖土方的边缘，以防止侵蚀。此措施有助于保护土方，减少侵蚀。

4. DRAINAGE MANAGEMENT

实施排水管理（drainage management）措施，确保土方不会被水侵蚀。此措施有助于防止侵蚀，保护土方。

5. STABILIZED CONSTRUCTION ENTRANCE

实施土方施工入口（stabilized construction entrance）措施，确保入口稳定，以防止侵蚀。此措施有助于保护入口，减少侵蚀。

6. STABILIZED CONSTRUCTION DECKS

实施土方结构（stabilized construction decks）措施，确保结构稳定，以防止侵蚀。此措施有助于保护结构，减少侵蚀。

5. ENVIRONMENTAL PROTECTION

保护环境（environmental protection）措施，确保施工过程中不会对环境造成污染。

6. LIVING GRADE CONTROL

实施生活区控制（living grade control）措施，确保生活区的安全和稳定。

7. ENVIRONMENTAL REVIEW

实施环境审查（environmental review）措施，确保施工过程中符合环境要求。

8. SOUND AND HYDROLOGICAL REVIEW

实施声学和水文审查（sound and hydrological review）措施，确保施工过程中不会对邻居和水文造成影响。

9. CONSTRUCTION ENTRANCE

实施施工入口（construction entrance）措施，确保入口的安全和稳定。

10. DEBRIS CONTROL

实施废弃物控制（debris control）措施，确保废弃物不会对周围环境造成污染。

11. CONSTRUCTION DECKS

实施结构（construction decks）措施，确保结构安全和稳定。

12. ENVIRONMENTAL REGISTRATION

实施环境注册（environmental registration）措施，确保施工过程中符合环境要求。

13. CONSTRUCTION ACTIVITY

实施施工活动（construction activity）措施，确保施工过程中不会对周围环境造成影响。

14. ROOFING CONTROL

实施屋顶（roofing control）措施，确保屋顶的安全和稳定。

15. WATERWAY MANAGEMENT

实施水道管理（waterway management）措施，确保水道的安全和稳定。

16. DISCHARGE CONTROL

实施排放控制（discharge control）措施，确保排放符合规定。

17. DRAINAGE CONTROL

实施排水控制（drainage control）措施，确保排水符合规定。

18. EROSION CONTROL

实施侵蚀控制（erosion control）措施，确保侵蚀得到控制。

19. SOUND CONTROL

实施声学控制（sound control）措施，确保声学符合规定。

20. HYDROLOGICAL CONTROL

实施水文控制（hydrological control）措施，确保水文符合规定。
NOT TO SCALE

**Erosion Control Details**

1. **Check Dam Spacing**
   - The maximum height of a check dam should be 2' with a 6" depression at its center for overflow.
   - The edges of the dam should be keyed into the ground.
   - The maximum size of 6" and a minimum stone size of 1".

2. **Utility Trench Details**
   - Use 600x400mm diameter pipe for installation.
   - Use a 12" sand mat at the bottom of the trench.
   - Install 2" sand mat at the outlet and toe into the ground.
   - Use a 2:1 max slope for riprap and a 3:1 max slope for loam & seed.

3. **Pavement Repair Details**
   - Match existing binder pavement thickness.
   - Use MDOT 703.22 Type B specifications.
   - Use MDOT 703.06 Type D specifications.

4. **Electrical Conduit As Issued For MDEP Permit Review**
   - All conduits shall be 4" dia. PVC Sch 40 except for road crossings.
   - Install 24" compacted aggregate base to the bottom of the ditch.
   - Match existing pavement thickness with 4-7% fines.
   - Use MDOT 703.22 Type B specifications.

5. **Pavement and Travel Way**
   - Use MDOT 703.22 Type B specifications.
   - Use MDOT 403, 9.5 mm HMA as specified.
   - Use MDOT 403, 19.0 mm HMA as specified.

6. **Roadway Section - Minor Street**
   - Use 3:1 max slope for loam & seed.
   - Use 2:1 max slope for riprap.
   - Use 1:1 max slope for common fill.
   - Use 3 FT loam & seed.
   - Use 2 FT gravel.

7. **Typical House Lot**
   - Use 3:1 max slope for loam & seed.
   - Use 2:1 max slope for riprap.
   - Use 1:1 max slope for common fill.
   - Use 3 FT loam & seed.
   - Use 2 FT gravel.

8. **Fire Lane Sign**
   - Use stop sign for fire lane.
   - Use fire lane sign for fire lane.

9. **Utility Trench**
   - Use 600x400mm diameter pipe for installation.
   - Use a 12" sand mat at the bottom of the trench.
   - Install 2" sand mat at the outlet and toe into the ground.
   - Use a 2:1 max slope for riprap and a 3:1 max slope for loam & seed.

10. **Pavement Repair**
    - Match existing binder pavement thickness.
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    - All conduits shall be 4" dia. PVC Sch 40 except for road crossings.
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    - Match existing pavement thickness with 4-7% fines.
    - Use MDOT 703.22 Type B specifications.

12. **Pavement and Travel Way**
    - Use MDOT 703.22 Type B specifications.
    - Use MDOT 403, 9.5 mm HMA as specified.
    - Use MDOT 403, 19.0 mm HMA as specified.

13. **Roadway Section - Minor Street**
    - Use 3:1 max slope for loam & seed.
    - Use 2:1 max slope for riprap.
    - Use 1:1 max slope for common fill.
    - Use 3 FT loam & seed.
    - Use 2 FT gravel.

14. **Typical House Lot**
    - Use 3:1 max slope for loam & seed.
    - Use 2:1 max slope for riprap.
    - Use 1:1 max slope for common fill.
    - Use 3 FT loam & seed.
    - Use 2 FT gravel.

15. **Fire Lane Sign**
    - Use stop sign for fire lane.
    - Use fire lane sign for fire lane.

16. **Utility Trench**
    - Use 600x400mm diameter pipe for installation.
    - Use a 12" sand mat at the bottom of the trench.
    - Install 2" sand mat at the outlet and toe into the ground.
    - Use a 2:1 max slope for riprap and a 3:1 max slope for loam & seed.

17. **Pavement Repair**
    - Match existing binder pavement thickness.
    - Use MDOT 703.22 Type B specifications.
    - Use MDOT 703.06 Type D specifications.

18. **Electrical Conduit**
    - All conduits shall be 4" dia. PVC Sch 40 except for road crossings.
    - Install 24" compacted aggregate base to the bottom of the ditch.
    - Match existing pavement thickness with 4-7% fines.
    - Use MDOT 703.22 Type B specifications.

19. **Pavement and Travel Way**
    - Use MDOT 703.22 Type B specifications.
    - Use MDOT 403, 9.5 mm HMA as specified.
    - Use MDOT 403, 19.0 mm HMA as specified.

20. **Roadway Section - Minor Street**
    - Use 3:1 max slope for loam & seed.
    - Use 2:1 max slope for riprap.
    - Use 1:1 max slope for common fill.
    - Use 3 FT loam & seed.
    - Use 2 FT gravel.

21. **Typical House Lot**
    - Use 3:1 max slope for loam & seed.
    - Use 2:1 max slope for riprap.
    - Use 1:1 max slope for common fill.
    - Use 3 FT loam & seed.
    - Use 2 FT gravel.

22. **Fire Lane Sign**
    - Use stop sign for fire lane.
    - Use fire lane sign for fire lane.

23. **Utility Trench**
    - Use 600x400mm diameter pipe for installation.
    - Use a 12" sand mat at the bottom of the trench.
    - Install 2" sand mat at the outlet and toe into the ground.
    - Use a 2:1 max slope for riprap and a 3:1 max slope for loam & seed.

24. **Pavement Repair**
    - Match existing binder pavement thickness.
    - Use MDOT 703.22 Type B specifications.
    - Use MDOT 703.06 Type D specifications.

25. **Electrical Conduit**
    - All conduits shall be 4" dia. PVC Sch 40 except for road crossings.
    - Install 24" compacted aggregate base to the bottom of the ditch.
    - Match existing pavement thickness with 4-7% fines.
    - Use MDOT 703.22 Type B specifications.

26. **Pavement and Travel Way**
    - Use MDOT 703.22 Type B specifications.
    - Use MDOT 403, 9.5 mm HMA as specified.
    - Use MDOT 403, 19.0 mm HMA as specified.