MAINE MALL PARKING LOT
STORMWATER IMPROVEMENTS
SOUTH PORTLAND, MAINE
JULY 2015
75% DESIGN DEVELOPMENT

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General Notes:
1. THIS PLAN SET IS FOR PERMITTING ONLY AND NOT FOR CONSTRUCTION.
EXISTING CONDITIONS PLAN
MAINE MALL PARKING LOT
STORMWATER IMPROVEMENTS
SOUTH PORTLAND, MAINE

Survey Provided By: Owen Haskell, Inc.

Project Number: 14057
Sheet Number: 2

Prepared For: Sustainable Environmental Solutions

Long Creek Development Watershed Management District
c/o Cumberland County Soil & Water Conservation District
35 Main St., Suite 3
Windham, ME 04062

Phone: (207) 774-0424
Fax: (207) 774-0511

Dated: May 20, 2014

SURVEY NOTES
1. THE TOPOGRAPHY AND EXISTING SITE DETAIL DEPICTED HEREON WERE OBTAINED FROM AN INSTRUMENT SURVEY CONDUCTED ON THE GROUND BY OWEN HASKELL, INC., WITHIN THE LIMITS SHOWN.
3. ALL PROPERTY AND BOUNDARY LINES DEPICTED ARE APPROXIMATE ONLY.
4. EXISTING CONTOUR INTERVALS ARE EQUAL TO ONE FOOT.
5. THE ACCURACY OF MEASURED PIPE INVERTS AND PIPE SIZES IS SUBJECT TO FIELD CONDITIONS, THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS AND OTHER CONDITIONS.
GENERAL CONSTRUCTION NOTES

1. All work to be completed must be in accordance with the plans and specifications shown in the drawings and as described in the specifications.
2. The contractor must ensure that all work is completed to the satisfaction of the owner and the engineer.
3. All storms must be completed in accordance with the appropriate engineering standards and codes.
4. All materials used must be of the quality and type specified in the plans and specifications.
5. All work must be completed in a safe and environmentally responsible manner.

CONSTRUCTION ACTIVITY:

1. All construction activities must be completed in a manner that minimizes disruption to the environment and the community.
2. All construction activities must be completed in a manner that minimizes the risk of injury to workers and the public.
3. All construction activities must be completed in a manner that minimizes the risk of damage to property and equipment.

PREPARATION:

1. All preparation work must be completed in accordance with the plans and specifications.
2. All preparation work must be completed in a manner that minimizes the risk of injury to workers and the public.
3. All preparation work must be completed in a manner that minimizes the risk of damage to property and equipment.

DETRITUS:

1. All detritus must be removed from the site in accordance with the plans and specifications.
2. All detritus must be removed in a manner that minimizes the risk of injury to workers and the public.
3. All detritus must be removed in a manner that minimizes the risk of damage to property and equipment.

ENVIRONMENTAL CONTROL:

1. All environmental control measures must be completed in accordance with the plans and specifications.
2. All environmental control measures must be completed in a manner that minimizes the risk of injury to workers and the public.
3. All environmental control measures must be completed in a manner that minimizes the risk of damage to property and equipment.

GENERAL CHANGES AND ALTERATIONS:

1. Any changes or alterations to the plans and specifications must be approved by the owner and the engineer.
2. Any changes or alterations to the plans and specifications must be completed in a manner that minimizes the risk of injury to workers and the public.
3. Any changes or alterations to the plans and specifications must be completed in a manner that minimizes the risk of damage to property and equipment.

UPS AND DOWNS:

1. All up and down work must be completed in accordance with the plans and specifications.
2. All up and down work must be completed in a manner that minimizes the risk of injury to workers and the public.
3. All up and down work must be completed in a manner that minimizes the risk of damage to property and equipment.

GENERAL NOTES:

1. All general notes must be completed in accordance with the plans and specifications.
2. All general notes must be completed in a manner that minimizes the risk of injury to workers and the public.
3. All general notes must be completed in a manner that minimizes the risk of damage to property and equipment.

SCHEDULE:

1. All work must be completed within the time frames specified in the plans and specifications.
2. All work must be completed in a manner that minimizes the risk of injury to workers and the public.
3. All work must be completed in a manner that minimizes the risk of damage to property and equipment.

CONSTRUCTION ACTIVITY:

1. All construction activities must be completed in a manner that minimizes the risk of injury to workers and the public.
2. All construction activities must be completed in a manner that minimizes the risk of damage to property and equipment.
3. All construction activities must be completed in a manner that minimizes the risk of disruption to the environment and the community.

Prepared by: [Signature]
Printed: [Date]

[Signature]
[Date]
ABBREVIATIONS:

R&D - REMOVE & DISPOSE
R&R - REMOVE & REINSTALL (INCLUDES RESET & FASTEN)
R&S - REMOVE & STACK FOR OWNER

DEMOLITION NOTES:

1. ALL DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. DISPOSE ALL TRASH AND RUBBAGE OFF THE CONTRACTOR'S PROPERTY.
2. ALL PAVEMENT, SURFACE CURBS AND OTHER ITEMS FEATURED IN THE EXISTING SURFACES SHALL BE REMOVED TO FULL DEPTH UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO ASSURE PROPER CONTROL OF DUST AND DIRT. CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL STREETS, PAVEMENT, SIDEWALKS, CURB AND OTHER SITE FEATURES IN THE AREA OF IMPROVEMENTS UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO ASSURE PROPER CONTROL OF DUST AND DIRT. CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL STREETS, PAVEMENT, SIDEWALKS, CURB AND OTHER SITE FEATURES IN THE AREA OF IMPROVEMENTS UNLESS OTHERWISE NOTED. STREET SWEEPING OF ADJACENT ROADS AND YARDS SHALL BE CONDUCTED AS REQUIRED.
4. ALL NORTH FACES OF GRASSES AND LAWNS ARE TO BE DEGRADED OR PREPARED AS A RESULT OF THE DEMOLITION WORKS, AS SPECIFIED IN THE DEMOLITION NOTES.
5. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO ASSURE PROPER CONTROL OF DUST AND DIRT. STREET SWEEPING OF ADJACENT ROADWAYS, PARKING LOTS AND OR SIDEWALKS SHALL BE CONDUCTED AS REQUIRED.
6. PROVIDE TREE PROTECTION TO ALL TREES TO REMAIN WITHIN THE WORK AREA LIMIT PER DETAILS.
7. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH APPLICABLE UTILITY COMPANIES AND INDEPENDENT CONTRACTORS IN COLLABORATION WITH THE CONTRACTOR.
8. INSTALL SILT SACK UNDER CATCH BASIN GRATES FOR EXISTING AND PROPOSED CATCH BASINS THAT ARE WITHIN THE LIMIT OF WORK.
9. ABOVEGROUND AND BELOWGROUND STORMWATER/DRAINAGE SYSTEMS TO BE PROTECTED WITH EROSION CONTROL DEVICES AT ALL TIMES DURING DEMOLITION AND SITE WORK.
10. SITE FEATURES, STRUCTURES, CONDUIT, PIPE, OR OTHERS DESIGNATED TO REMAIN, FILL IN PLACE, OR NOT LABELED THAT WILL INTERFERE WITH PROPOSED SITE FEATURES WILL BE REMOVED & DISPOSED AS NECESSARY TO COMPLETE THE PROPOSED WORK.
11. CONTRACTOR TO INVENTORY AND IDENTIFY ALL SIGN TYPES AND LOCATIONS FOR RE-INSTALLATION.

CARACTERISTICS:

R1 - RETAIN A & Sheet Metal (includes Post & Hanger)
R2 - Laminated Acrylic Sign
R3 - Fabric Sign
R4 - Steel Sign
R5 - Monument Sign
R6 - Solar Panel
R7 - Powder Coated Aluminum
R8 - Reflective Sign
R9 - Wood Sign
R10 - No Sign

DRAWN BY:

DESIGNED BY:

CHECKED BY:

DATE:

PREPARED FOR:

PLAN SET:

PLAN TITLE:

SHEET NUMBER:

PROJECT NUMBER:

REGISTRATION:

Survey Provided By:

HORSLEY WITTEN GROUP, INC.

90 Route 6A
Sandwich, MA 02563

508-833-6600 voice
508-833-3150 fax

WWW.HORSLEYWITTEN.COM
TRENCH DRAIN DETAIL

1. BOTTOM CONCRETE FLAT SHEETS, 1" DEPTH OFF W.W MESH (6X6 w1.4Xw1.4)

2. EXPANSION JOINT CONSTRUCTION

3. SEE PLANS

4. TYPICAL DRAINAGE STRUCTURE FRAME AND COVER

5. TYPICAL DRAINAGE STRUCTURE FRAME AND COVER

6. HANDicap RAMP TYPE #

7. SEE PRECAST DRAIN MANHOLE DETAIL (DMH) FOR MANHOLE INSTALLATION.

8. DOGHOUSE MANHOLE INSTALLATION OVER EX. DRAIN LINE

9. CONTRACTOR TO PROVIDE CONCRETE BLOCK PIPE SUPPORTS

10. FABRIC

11. FILTER FABRIC (D50 = 3")

12. GRID

13. CONCRETE

14. ROADWAY/WALK

15. APPROVED SUBGRADE

16. AS NECESSARY ONCE HOLE IS EXCAVATED.

17. CONTRACTOR SHALL REPLACE/RESET EX. CURB/BERM AS NECESSARY.

18. EXTEND STONE TOE FABRIC

19. 6" CRUSHED STONE

20. 3/4" DIA.

21. 6" FLANGE 265 LBS

22. 4" FLANGE 295 LBS

23. 3" FLANGE 265 LBS

24. 1-1/2" FLANGE 175 LBS

25. 1-1/2" FLANGE 175 LBS

26. 1" FLANGE 125 LBS

27. INLET FLUME DETAIL

28. TYPICAL DRAINAGE STRUCTURE FRAME AND COVER TO CONFORM TO MASSACHUSETTS ALL H20 LOADING STANDARDS HEAVY DUTY (EAST JORDAN, NEENAH, OR CAPE COD)

29. 1'-11" OR 2'-0 1/4" WIDTH

30. 2'-9""

31. MAX. 5 1/2"

32. 3" TYPE I-1 BIT. CONCRETE

33. THE GEOTEXTILE FILTER FABRIC TO BE TAPER TO RECEIVING CHANNEL 5:1.

34. OF THE RECEIVING CHANNEL. MAXIMUM WIDTH SHALL BE EQUAL TO THE BOTTOM WIDTH OF THE RECEIVING CHANNEL.

35. THE STONE END SECTION TO BE UNDERCUT SO THAT THE INVERT OF THE RECEPTACLE TRENCH SHOULDER IS MATCH EXISTING & GRADE APRON TO BE AT THE SAME GRADE AS NECESSARY ONCE HOLE IS EXCAVATED.

36. CONTRACTOR TO PROVIDE CONCRETE BLOCK PIPE SUPPORTS

37. 6" CRUSHED STONE

38. 3" TYPE I-1 BIT. CONCRETE

39. CONCRETE BASE 12" MIN.

40. CAST-IN-PLACE 4,000 PSI CONCRETE BASE 4" MIN.

41. FILTER FABRIC

42. CHANNEL SECTION

43. FILTER FABRIC

44. DRAIN

45. DRAINAGE MATERIAL-CAST IRON

46. MIN. GRATE WEIGHT: 200LBS.

47. MOLD COVER PLAN

48. SECTION A-A

49. HOLD COVER PLAN

50. REMAINING MOLD

51. MOLD HEAD

52. MOLDING MOLD

53. 2.5" IN DIRECTIONAL TRENCH PAVEMENT SURFACE 2'-0" 16" #3 REBAR (SEE DETAIL)

54. CURB

55. CONCRETE

56. ROADWAY/WALK

57. PROPOSED PARKING: TOTAL PARKING SPACE IN WORK AREA: 30

58. EXISTING PARKING: TOTAL PARKING SPACE IN WORK AREA: 0*

59. 5" 6" 10" 12"

60. MAX.

61. 4" 3" 2" 1"

62. TOTAL PARKING SPACES IN WORK AREA: 0*

63. MAX.

64. PROPOSED PARKING: TOTAL PARKING SPACE IN WORK AREA: 30

65. EXISTING PARKING: TOTAL PARKING SPACE IN WORK AREA: 0*

66. 5" 6" 10" 12"

67. MAX.

68. 4" 3" 2" 1"

69. PROPOSED PARKING: TOTAL PARKING SPACE IN WORK AREA: 30

70. 5" 6" 10" 12"

71. MAX.

72. 4" 3" 2" 1"

73. EXISTING PARKING: TOTAL PARKING SPACE IN WORK AREA: 0* Width in Direction of Travel and 5' Max. From Face of Curb.

74. ADA REQUIREMENTS INSTALLED AT ALL ROADWAY CROSSING. PANEL SHALL BE 3' MIN. IN WIDTH IN DIRECTION OF TRAVEL AND 5' MAX. FROM FACE OF CURB.

75. HANDICAP RAMP TYPE #

76. JULY 2015

77. www.horsleywitten.com

78. 508-833-6600 voice

79. 508-833-3150 fax

80. Sandwich, MA 02563
CONTRACTOR MUST SUBMIT A SOIL SAMPLE (1 GALLON) TO THE ENGINEER PRIOR TO SOIL DELIVERY TO THE SITE.

4"

AFTER COMPLETION OF THE WORK, REMOVE AND PROPERLY DISPOSE ALL DEBRIS, CONSTRUCTION MATERIALS, RUBBISH, OF 3" SHREDDED WELL AGED (6-12 MONTHS), WELL AERATED, LEAF COMPOST OR APPROVED.

5.2-7.0.

MJC/GSC/KMH

5.2-7.0.

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