TOWN OF CHESHIRE
Bartlem Park South - Phase I
520 SOUTH MAIN STREET, CHESHIRE, CONNECTICUT 06410

BID DOCUMENTS
BID #2223-14

ADD ALTERNATES:
ADJUST PRICES TO ENSURE CONTRACTOR INSTALLS THE SPECIFIED BAND SHELL STRUCTURE, ELECTRICAL, AND ARCHITECTURAL DETAILS AND RELATED APPURTENANCES NEEDED TO HAVE A COMPLETE AND FULLY OPERATIONAL STRUCTURE.

SHEET INDEX
L001. GENERAL NOTES
L002. INDEX PLAN
L010. EXISTING CONDITIONS PLAN
L201. SITE PREPARATION & DEMOLITION PLAN
L301. MATERIALS PLAN
L302. LAYOUT PLAN - NORTH
L303. LAYOUT PLAN - SOUTH
L304. LAYOUT PLAN - WEST
L401. DRAINAGE PLAN - NORTH
L402. DRAINAGE PLAN - SOUTH
L403. DRAINAGE PLAN - WEST
L501. DRAINAGE INDEX PLAN
L901-L903. SITE CONSTRUCTION DETAILS
L904-L906. EROSION & SEDIMENT CONTROL DETAILS
L907-L909. SITE CONSTRUCTION DETAILS
L200. PHASED EROSION & SEDIMENT CONTROL PLAN
L400. LAYOUT PLAN INDEX
L500. GRADING INDEX PLAN
L501. GRADING PLAN - NORTH
L502. GRADING PLAN - SOUTH
L503. GRADING PLAN - WEST
L700. UTILITY PLAN
L801. PLANTING PLAN
L802. EROSION & SEDIMENT CONTROL DETAILS
L803. EROSION & SEDIMENT CONTROL DETAILS
L804. ELECTRICAL SITE PLANS
L805. ELECTRICAL SITE PLANS
L806. ELECTRICAL DESIGN PLANS
L807. ELECTRICAL DESIGN PLANS
L808. ELECTRICAL DESIGN PLANS
L809. ELECTRICAL DESIGN PLANS
L810. ELECTRICAL DESIGN PLANS
L910. SITE CONSTRUCTION DETAILS
L911. SITE CONSTRUCTION DETAILS
L912. SITE CONSTRUCTION DETAILS
L913. SITE CONSTRUCTION DETAILS
L914. SITE CONSTRUCTION DETAILS
L915. SITE CONSTRUCTION DETAILS
L916. SITE CONSTRUCTION DETAILS

ADD ALTERNATE NO. 1:
UNDER ADD ALTERNATE NO. 1, THE CONTRACTOR SHALL INSTALL THE SPECIFIED BAND SHELL STRUCTURE, ELECTRICAL, AND ARCHITECTURAL DETAILS AND RELATED APPURTENANCES NEEDED TO HAVE A COMPLETE AND FULLY OPERATIONAL STRUCTURE.

JANUARY 11, 2023
Prepared By
Weston & Sampson Engineers, Inc.
712 Brook Street, Suite 103
Rocky Hill, CT 06067
860.513.1473  800.SAMPSON
www.westonandsampson.com
19. Site preparation shall be performed in such a manner as to prevent any removal of topsoil or soil by wind or water erosion. All disturbed areas shall be compacted or covered with a protective layer. The contractor shall be responsible for providing and maintaining any temporary erosion control measures required.

20. The contractor shall be responsible for obtaining all permits, as required.

21. The contractor shall be responsible for all additional costs as described above.

22. No additional cost and as described above.

23. The contractor shall be responsible for providing all washed, screened, and sized stone that may be required for the construction of the proposed work.

24. The contractor shall be responsible for all additional costs as described above.

25. The contractor shall be responsible for all additional costs as described above.

26. The contractor shall be responsible for all additional costs as described above.

27. The contractor shall be responsible for all additional costs as described above.

28. The contractor shall be responsible for all additional costs as described above.

29. The contractor shall be responsible for all additional costs as described above.

30. The contractor shall be responsible for all additional costs as described above.

31. The contractor shall be responsible for all additional costs as described above.

32. The contractor shall be responsible for all additional costs as described above.

33. The contractor shall be responsible for all additional costs as described above.

34. The contractor shall be responsible for all additional costs as described above.

35. The contractor shall be responsible for all additional costs as described above.

36. The contractor shall be responsible for all additional costs as described above.

37. The contractor shall be responsible for all additional costs as described above.

38. The contractor shall be responsible for all additional costs as described above.

39. The contractor shall be responsible for all additional costs as described above.

40. The contractor shall be responsible for all additional costs as described above.

41. The contractor shall be responsible for all additional costs as described above.

42. The contractor shall be responsible for all additional costs as described above.

43. The contractor shall be responsible for all additional costs as described above.

44. The contractor shall be responsible for all additional costs as described above.

45. The contractor shall be responsible for all additional costs as described above.

46. The contractor shall be responsible for all additional costs as described above.

47. The contractor shall be responsible for all additional costs as described above.

48. The contractor shall be responsible for all additional costs as described above.

49. The contractor shall be responsible for all additional costs as described above.

50. The contractor shall be responsible for all additional costs as described above.

51. The contractor shall be responsible for all additional costs as described above.

52. The contractor shall be responsible for all additional costs as described above.

53. The contractor shall be responsible for all additional costs as described above.

54. The contractor shall be responsible for all additional costs as described above.

55. The contractor shall be responsible for all additional costs as described above.

56. The contractor shall be responsible for all additional costs as described above.

57. The contractor shall be responsible for all additional costs as described above.

58. The contractor shall be responsible for all additional costs as described above.

59. The contractor shall be responsible for all additional costs as described above.

60. The contractor shall be responsible for all additional costs as described above.

61. The contractor shall be responsible for all additional costs as described above.

62. The contractor shall be responsible for all additional costs as described above.

63. The contractor shall be responsible for all additional costs as described above.

64. The contractor shall be responsible for all additional costs as described above.

65. The contractor shall be responsible for all additional costs as described above.

66. The contractor shall be responsible for all additional costs as described above.

67. The contractor shall be responsible for all additional costs as described above.

68. The contractor shall be responsible for all additional costs as described above.

69. The contractor shall be responsible for all additional costs as described above.

70. The contractor shall be responsible for all additional costs as described above.

71. The contractor shall be responsible for all additional costs as described above.

72. The contractor shall be responsible for all additional costs as described above.

73. The contractor shall be responsible for all additional costs as described above.

74. The contractor shall be responsible for all additional costs as described above.

75. The contractor shall be responsible for all additional costs as described above.

76. The contractor shall be responsible for all additional costs as described above.

77. The contractor shall be responsible for all additional costs as described above.

78. The contractor shall be responsible for all additional costs as described above.

79. The contractor shall be responsible for all additional costs as described above.

80. The contractor shall be responsible for all additional costs as described above.

81. The contractor shall be responsible for all additional costs as described above.

82. The contractor shall be responsible for all additional costs as described above.

83. The contractor shall be responsible for all additional costs as described above.

84. The contractor shall be responsible for all additional costs as described above.

85. The contractor shall be responsible for all additional costs as described above.

86. The contractor shall be responsible for all additional costs as described above.

87. The contractor shall be responsible for all additional costs as described above.

88. The contractor shall be responsible for all additional costs as described above.

89. The contractor shall be responsible for all additional costs as described above.

90. The contractor shall be responsible for all additional costs as described above.

91. The contractor shall be responsible for all additional costs as described above.

92. The contractor shall be responsible for all additional costs as described above.

93. The contractor shall be responsible for all additional costs as described above.

94. The contractor shall be responsible for all additional costs as described above.

95. The contractor shall be responsible for all additional costs as described above.

96. The contractor shall be responsible for all additional costs as described above.

97. The contractor shall be responsible for all additional costs as described above.

98. The contractor shall be responsible for all additional costs as described above.

99. The contractor shall be responsible for all additional costs as described above.

100. The contractor shall be responsible for all additional costs as described above.
1. **THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THRU 20-300b-20 AS AMENDED, AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.**

2. **BEARINGS REFER TO THE CONNECTICUT COORDINATE SYSTEM (NAD 83) AS DERIVED USING GNSS SURVEY METHODS IN FEBRUARY, 2020.**

3. **ELEVATIONS AND TOPOGRAPHY ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 AS DERIVED USING GNSS SURVEY METHODS IN FEBRUARY, 2020.**

4. **REFERENCE IS MADE TO THE FOLLOWING MAPS:**
   - A. "RESUBDIVISION MAP OF LAND OF RICHARD H. CHAPMAN SHOWING LAND TO BE ACQUIRED BY THE TOWN OF CHESHIRE, SOUTH MAIN STREET, CHESHIRE, CONN."; SCALE: 1"=100'; DATED: FEBRUARY 24, 1988; PREPARED BY: ASSOCIATED SURVEYS; FILED IN THE CHESHIRE LAND RECORDS AS MAP 2661.
   - B. "PROPERTY MAP SHOWING LAND ACQUIRED BY THE TOWN OF CHESHIRE FROM RAVENSWOOD REALTY & MANAGEMENT CORP., SOUTH MAIN STREET, CHESHIRE, CONN."; SCALE: 1"=60'; DATED: OCTOBER 13, 1988; PREPARED BY: ASSOCIATED SURVEYS; FILED IN THE CHESHIRE LAND RECORDS AS MAP 2793.
   - C. "SCHEDULE A-3, PROPERTY SURVEY DEPICTING DECLARATION OF STONEGATE - AN AGE RESTRICTED PLANNED RESIDENTIAL DEVELOPMENT PREPARED FOR 772 SOUTH MAIN STREET ASSOCIATES, LLC., SOUTH MAIN STREET (ROUTE 10), CHESHIRE, CONNECTICUT"; SCALE: 1"=40'; DATED: FEBRUARY 11, 2003; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 3739.
   - E. "IMPROVEMENT LOCATION SURVEY - RECORD, #726 SOUTH MAIN STREET (ROUTE 10), CHESHIRE, CONNECTICUT"; SCALE: 1"=20'; DATED: DECEMBER 12, 2007; PREPARED BY: MILONE & MACBROOM; FILED IN THE CHESHIRE LAND RECORDS AS MAP 4105.
   - F. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF CHESHIRE, NEW HAVEN-CHESHIRE ROAD FROM RICHARDS CORNER NORTHERLY TO SO. MERIDEN ROAD, ROUTE NO. 10"; NUMBER 25-01-A; SHEET 1 OF 2; SCALE: 1"=40'; DATED: DECEMBER 12, 1935; REVISED OCTOBER 21, 1966.

5. **UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING AND OTHER DATA SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES, GOVERNMENTAL AGENCIES AND/OR OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO WESTON & SAMPSON. THE EXISTENCE, SIZE AND LOCATION OF ALL SUCH FEATURES MUST BE DETERMINED AND VERIFIED IN THE FIELD BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
1. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON
UTILITY EVIDENCE VISIBLE AT GROUND SURFACE AND RECORD DRAWINGS
AND ARE SUBJECT TO FIELD VERIFICATION BY EXCAVATION. UTILITIES
SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES
LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES.

2. SURVEY PERFORMED BY KCI TECHNOLOGIES, INC. IN JUNE 2022.

3. CONTOURS AND ELEVATIONS SHOWN BASED ON GPS OBSERVATIONS ON
BOARD BASED ON NAVD88 VERTICAL DATUM.

4. NORTH ORIENTATION IS BASED ON GPS OBSERVATIONS TAKEN AT THE
TIME OF THE FIELD SURVEY. MAPPING PREPARED ON NAD83 STATE PLANE
COORDINATE SYSTEM (CONNECTICUT).
RIGHT-IN RIGHT-OUT DRIVE TO SOUTH MAIN STREET (ROUTE 10)

SOUTH MAIN STREET (CT ROUTE 10)

STANDARD, SEE DETAIL

BREAK IN SHOULDER LINE

PROPERTY LINE

DETECTABLE WARNING SURFACE (TYPE 29) PER CT DOT

CROSS WALK DETAIL

PER CT DOT

ATTACHMENT PER CT DOT

PROJECT:

Scale:

W&S File No.: L404

TOWN OF CHESHIRE

DETAILED PLANS
CONC WALK METAL GUARD RAIL
WOOD RAIL FENCE

ELMWOOD DRIVE 2" IRRIGATION MAIN SOUTH MAIN STREET (RTE 10)

LIMIT OF WORK

TC 500.50 BC 500.00

TOP & BOTTOM OF CURB
SLOPE ARROW

NOTES:
1. FOR SLOPES 4:1 OR GREATER, REFER TO VEGETATIVE SLOPE PROTECTION DETAIL ON SHEET L702

20% 5 501.25 1

MINOR CONTOUR MAJOR CONTOUR
EXISTING SPOT ELEVATION PROPOSED SPOT ELEVATION
SLOPE ARROW
SELF-RETRACTING HOSE REEL

1. All work is to be done by the contractor using all local, state and federal codes and ordinances. Any changes made after the issuance of this plan will be evaluated at the contractor's expense.

2. All products shall be installed in accordance with manufacturer's requirements and recommendations.

3. All electrical connections are to be made with non-metallic connectors and conduit. All work is to be in compliance with all local, state and federal codes and ordinances.

4. All remote-control valves are to be installed in value boxes of appropriate size.

5. All remote-control valves are to be installed in value boxes of appropriate size.

6. All control valves downstream of the controller are to be 14 AWG, UL approved for direct bury.

7. All remote-control valves are to be installed in value boxes of appropriate size.

8. All wiring downstream of the controller is to be 14 AWG, UL approved for direct bury.

9. All wiring is to be installed in conduit or in accordance with local, state and federal codes.

10. All electrical connections shall be made with non-metallic connectors and conduit.

11. All work is to be done by the contractor using all local, state and federal codes and ordinances.

12. All electrical work shall be done in accordance with all local, state and federal codes.

13. All remote-control valves are to be installed in value boxes of appropriate size.

14. All wiring is to be installed in conduit or in accordance with local, state and federal codes.

15. All electrical connections shall be made with non-metallic connectors and conduit.

16. All work is to be done by the contractor using all local, state and federal codes and ordinances.

17. All remote-control valves are to be installed in value boxes of appropriate size.

18. All wiring is to be installed in conduit or in accordance with local, state and federal codes.

19. All electrical connections shall be made with non-metallic connectors and conduit.

20. All work is to be done by the contractor using all local, state and federal codes and ordinances.

21. All remote-control valves are to be installed in value boxes of appropriate size.

22. All wiring is to be installed in conduit or in accordance with local, state and federal codes.

23. All electrical connections shall be made with non-metallic connectors and conduit.

24. All work is to be done by the contractor using all local, state and federal codes and ordinances.

25. All remote-control valves are to be installed in value boxes of appropriate size.

26. All wiring is to be installed in conduit or in accordance with local, state and federal codes.

27. All electrical connections shall be made with non-metallic connectors and conduit.
**Erosion & Sediment Control Details**

**Temporary Outlet Control Structure**

**Temporary Stockpile, W/ Perimeter Sediment Controls**

**Temporary Drainage Swale Detail**

**Notes:**
1. Mattings shall be from CTDOT approved list of materials (Class 2 - Type E).
2. Earth Berm to be temporarily seeded if swale is to be used longer than 30 days.
3. Swale shall be installed at a minimum slope of 0.005 ft/ft.

**Temporary Drainage Swale Detail**

**Temporary Outlet Control Structure**

**Temporary Stockpile, W/ Perimeter Sediment Controls**

**Construction Entrance**

**Coating Control System Where Swale is Upstream of Property Line or Wetland Buffer**

**NOTES:**
1. Mattings shall be from CTDOT approved list of materials (Class 2 - Type E).
2. Earth Berm to be temporarily seeded if swale is to be used longer than 30 days.
3. Swale shall be installed at a minimum slope of 0.005 ft/ft.
NOTES:

1. Existing Grade

2. Existing Tree Trunk, Wrap with 2 x 2 x 3' Stakes

3. Straw Bales & Wood Stake

4. Straw Bale/Sandbag Protection or Catch Basin

5. Alternate Sedimentation Traps May Be Used With Prior Approval of the Engineer.

6. Sediment Exceeding 1/2 the Depth of the Trap Shall Be Removed.

7. Storm of 0.5 in or Greater.

8. Traps Shall Be Inspected At Least Once a Week and Within 24 Hours of the End of Any Flow

9. To Allow for Proper Function of the Basin

10. The Contractor Shall Enlarge Trap, At No Additional Cost to the Owner, As Required

11. Project Control Blanket May Be Used For Proper Function of the Trap. See Plan For Locations.

12. Maintain Fence Protection in Sound Condition Until Fence Completion

13. All Work Done Within Tree Protection Fence Is To Be Done By Hand and Light Equipment.

14. Where Space Is Available, Tree Protection Fence To Be Placed A Minimum of 10' From Base of Tree Plus An Additional 1' For Each Additional DBH For

15. Joining Fence

16. For Trees That Occur in Groups Provide Tree Protection Fence Around Entire Area. See Plan For Locations.

17. Maintain Fence Protection In Sound Condition Until Fence Completion

18. All Work Done Within Tree Protection Fence Is To Be Done By Hand and Light Equipment.

19. Where Space Is Available, Tree Protection Fence To Be Placed A Minimum of 10' From Base of Tree Plus An Additional 1' For Each Additional DBH For

20. Joining Fence

21. For Trees That Occur in Groups Provide Tree Protection Fence Around Entire Area. See Plan For Locations.

22. Maintain Fence Protection In Sound Condition Until Fence Completion

23. All Work Done Within Tree Protection Fence Is To Be Done By Hand and Light Equipment.

24. Where Space Is Available, Tree Protection Fence To Be Placed A Minimum of 10' From Base of Tree Plus An Additional 1' For Each Additional DBH For

25. Joining Fence

26. For Trees That Occur in Groups Provide Tree Protection Fence Around Entire Area. See Plan For Locations.

27. Maintain Fence Protection In Sound Condition Until Fence Completion

28. All Work Done Within Tree Protection Fence Is To Be Done By Hand and Light Equipment.

29. Where Space Is Available, Tree Protection Fence To Be Placed A Minimum of 10' From Base of Tree Plus An Additional 1' For Each Additional DBH For

30. Joining Fence

31. For Trees That Occur in Groups Provide Tree Protection Fence Around Entire Area. See Plan For Locations.

32. Maintain Fence Protection In Sound Condition Until Fence Completion

33. All Work Done Within Tree Protection Fence Is To Be Done By Hand and Light Equipment.

34. Where Space Is Available, Tree Protection Fence To Be Placed A Minimum of 10' From Base of Tree Plus An Additional 1' For Each Additional DBH For

35. Joining Fence

36. For Trees That Occur in Groups Provide Tree Protection Fence Around Entire Area. See Plan For Locations.

37. Maintain Fence Protection In Sound Condition Until Fence Completion

38. All Work Done Within Tree Protection Fence Is To Be Done By Hand and Light Equipment.

39. Where Space Is Available, Tree Protection Fence To Be Placed A Minimum of 10' From Base of Tree Plus An Additional 1' For Each Additional DBH For

40. Joining Fence

41. For Trees That Occur in Groups Provide Tree Protection Fence Around Entire Area. See Plan For Locations.

42. Maintain Fence Protection In Sound Condition Until Fence Completion

43. All Work Done Within Tree Protection Fence Is To Be Done By Hand and Light Equipment.
TABLE A:

<table>
<thead>
<tr>
<th>DIA</th>
<th>DP</th>
<th>C</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>21'-24&quot;</td>
<td>7'</td>
<td>7'</td>
<td>12&quot;</td>
</tr>
<tr>
<td>21'-24&quot;</td>
<td>6'</td>
<td>6'</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

**STORM DRAIN TRENCH, TYP.**

**PVC AREA DRAIN, TYP.**

**CATCH BASIN**

**MANHOLE**

**CLEANOUT, TYP.**

PRECAST CONCRETE

CLASS "A" CONCRETE POURED IN PLACED OR PRECAST UNIT

MANHOLE BASE

SEALANT (TYP.)

MANHOLE CONE

MANHOLE RISER

SEAMLESS GLASS REINFORCED CONCRETE

DETECTABLE TRACER TAPE

BLACKFILL

CLASS 'B' BACKFILL

COMPACTED SUBGRADE

CRUSHED STONE

SELECT BLACKFILL

WATERTIGHT ADAPTERS

DRAIN BASE

DUCTILE IRON 2401DI

2824AG

NYLOPLAST 24" DRAIN BASIN

BLACKFILL

CLASS 'B' BACKFILL

COMPACTED SUBGRADE

CRUSHED STONE

SYNTHETIC TURF

SYNTHETIC TURF FIELD, TYP.

SYNTHETIC TURF COVER SHALL BE USED AT ALL AREA DRAINS WITHIN 2'-0" UNLESS OTHERWISE INDICATED OR DIRECTED

LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)

NARROW TRENCH LIMIT (w)

TRENCH WIDTH (W)

OVER 12'

0-12'

IN ROCK

IN EARTH

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.

MIN.

MAX.
### SIGN SCHEDULE

<table>
<thead>
<tr>
<th>NO.</th>
<th>TEXT</th>
<th>SIZE</th>
<th>QUANT.</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Reserved Parking</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>Reserve Parking</td>
</tr>
<tr>
<td>2.</td>
<td>Do Not Enter</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>Do Not Enter</td>
</tr>
<tr>
<td>3.</td>
<td>Right Turn Only</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>Right Turn Only</td>
</tr>
<tr>
<td>4.</td>
<td>No Parking</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>No Parking</td>
</tr>
<tr>
<td>5.</td>
<td>Reserved Parking</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>Reserved Parking</td>
</tr>
<tr>
<td>6.</td>
<td>Do Not Enter</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>Do Not Enter</td>
</tr>
<tr>
<td>7.</td>
<td>Right Turn Only</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>Right Turn Only</td>
</tr>
<tr>
<td>8.</td>
<td>No Parking</td>
<td>12&quot; x 18&quot;</td>
<td>10</td>
<td>No Parking</td>
</tr>
</tbody>
</table>

### NOTES FOR TRAFFIC CONTROL

1. A traffic storage occurs in advance of sign 2. After an additional sign 2 shall be added to indicate the end of the storage.

2. Signs 1, 2, and 3 should be positioned so that there are 120' of parking between them.

3. Due to the roads being in a residential area, only one sign is needed.

4. A sign may be replaced if damaged, but not removed.

5. A sign must remain in operation for 6 months from the date of the work.

6. A sign is required to be removed from the date of the work.

7. A sign is required to be removed from the date of the work.

8. A sign is required to be removed from the date of the work.

9. A sign is required to be removed from the date of the work.

### REGULATORY SIGN "ROAD WORK AHEAD" FINES DOUBLED

The regulatory sign "Road Work Ahead" signs should not be installed on all roadways. A sign should be installed only on the roadways that approach the work zone and where the sign is not required to be installed on the roadway.

### END ROAD WORK SIGN

The last sign in the pattern shall be the "End Road Work" sign.

---

**BARTLEM PARK IMPROVEMENTS**

**PHASE I**

**LANDSCAPE ARCHITECTS**

**CIVIL ENGINEERS**

**CONTRACTOR**

**WESTON & SAMPSON**

**712 BROOK STREET**

**ROCKY HILL, CONNECTICUT 06067**

---

**NOTES:**

1. CONSTRUCTION SHALL BE CONFIRMED WITH THE LANDSCAPE ARCHITECT.

2. SIGN MAINTAINED THROUGHOUT THE PROJECT DURATION. SIGN TO BE INSTALLED AT BEGINNING OF CONSTRUCTION AND REMOVED AT SUBSTANTIAL COMPLETION.
NOTES:
1. DETECTABLE TRACER TAPE TO BE INSTALLED FOR THE ENTIRE LENGTH OF THE ROOF LEADER EXTENSION.
2. PROVIDE FITTINGS, COUPLINGS AND ADAPTERS AS REQUIRED.
3. SEE PLAN FOR ROOF LEADER LOCATIONS.
4'-0" DIA. PRECAST CONCRETE MANHOLE DETAIL

N.T.S.

CONCRETE FRAME & COVER
SEE SPECS

PRECAST CONCRETE MANHOLE BASE
REINFORCEMENTS STEEL (TYP)

BRICK MASONRY BASE
CONCRETE SEASON

PRECAST CONCRETE MANHOLE DETAIL
N.T.S.

CONCRETE FILL

BRICK MASONRY INVERT
MANHOLE BASE

PRECAST CONCRETE
COMPACTED
CRUSHED STONE

SEALANT (TYP)
MANHOLE RISER
PRECAST CONCRETE

SEE SPEC'S
MANHOLE STEPS
BUTYL RUBBER JOINT
MANHOLE CONE
OF BRICK MASONRY OR
LAID AS HEADERS

TYP.
STUB WITH PLUG

MANHOLE SEAL DETAILS
N.T.S.

RUBBER GASKET CAST
IN MANHOLE BASE
FLEXIBLE SLEEVE CAST IN
MANHOLE BASE

STAINLESS STEEL RING
EXPANDED IN PLACE
STAINLESS STEEL
STRAP

PRECAST CONCRETE
STRUCTURE

EXISTING OR PROPOSED UTILITY OR
DRAINAGE PIPE (TYP.)
PLACE ON COMPACTED PIPE
BEDDING OR UNDISTURBED
MATERIAL

CLASS "A" CONCRETE FOR
FULL TRENCH WIDTH

CONCRETE PIPE CRADLE WHEN d <
N.T.S.
TYPICAL UTILITY SUPPORTS
N.T.S

WATER, SEWER OR DRAIN CROSSING DETAIL
N.T.S.

WATER MAIN OVER SEWER
OR DRAIN OR SEWER MAIN
OVER WATER OR DRAIN

WATER MAIN UNDER SEWER
OR DRAIN OR SEWER MAIN
UNDER WATER OR DRAIN

WATER, SEWER OR DRAIN CROSSING DETAIL
N.T.S.

TRENCH WIDTH (W)
LINE OF NARROW TRENCH LIMIT
EXPANDED IN PLACE
STAINLESS STEEL

UNDISTURBED MATERIAL
WHERE OTHERWISE INDICATED OR
OF NARROW TRENCH LIMIT EXCEPT
UNDISTURBED SUBGRADE
LIMITS OF EXCAVATION & PAYMENT
FOR ROCK EXCAVATION & BACKFILL
LIMITS OF EXCAVATION & PAYMENT
FOR SURFACE RESTORATION)

TRENCH LIMIT
(WHERE SPECIFIED)
DETECTABLE TRACER TAPE
W/2
FOR ROCK EXCAVATION & BACKFILL
LIMITS OF EXCAVATION & PAYMENT
FOR W, DP, & S, SEE TABLE A
HALF SECTION

SANITARY SEWER TRENCH DETAIL
N.T.S.

TABLE A

<table>
<thead>
<tr>
<th>Диаметр (D)</th>
<th>Минимальная ширина (B)</th>
<th>Минимальная толщина (T)</th>
<th>Минимальная высота (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-6&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>8-10&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
<td>3&quot;</td>
</tr>
<tr>
<td>12&quot;</td>
<td>4&quot;</td>
<td>4&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

NOTES:
1. ALL PIPE WORK BETWEEN UTILITY AND DRAINAGE PIPE SHOULD BE CONPLETED EXCEPT WHERE OTHERWISE INDICATED OR DIRECTED.
2. ALL UTILITY WORK ON SURFACE WILL BE INCLUDED IN THE COST OF THE UTILITY WORK AND CONCRETE PIPE CONCRETE WILL BE USED FOR WATER AND SEWAGE CONCRETE WORK.
1. **NOTE:** 3'-6" FOR FENCE POSTS

2. **NOTE:** 2.5" O.D. LINE POST, TYP.

3. **NOTE:** 3'-6" TYP.

4. **NOTE:** 18" FOR GATE, END OR CORNER POST

5. **NOTE:** 18" FOR BALL SAFETY NETTING POST

6. **NOTE:** 12" FOR LINE POST

7. **NOTE:** POLYSULFIDE SEALANT

8. **NOTE:** FOAM JOINT FULL DEPTH WITH POLYSULFIDE SEALANT

9. **NOTE:** CURB

10. **NOTE:** SYNTHETIC TURF- NAILER

11. **NOTE:** 4500 PSI CEMENT

12. **NOTE:** SUBGRADE COMPACTED

13. **NOTE:** FENCE POST FOOTING, TYP.

14. **NOTE:** 2" CLEAR, TYP.

15. **NOTE:** 12" FOR LINE POST

16. **NOTE:** 1-5/8" TOP RAIL

17. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

18. **NOTE:** 3" O.D. VCL GATE POST, TYP.

19. **NOTE:** 3/16" X 3/4" TENSION BAR AT 12" O.C.

20. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

21. **NOTE:** 3/16" X 3/4" TENSION BAR, TYP.

22. **NOTE:** 6 GAUGE CORE 1-3/4" MESH VINYL CHAIN LINK (VCL)

23. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

24. **NOTE:** 3" O.D. VCL GATE POST, TYP.

25. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

26. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

27. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

28. **NOTE:** 3" O.D. VCL GATE POST, TYP.

29. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

30. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

31. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

32. **NOTE:** 3" O.D. VCL GATE POST, TYP.

33. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

34. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

35. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

36. **NOTE:** 3" O.D. VCL GATE POST, TYP.

37. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

38. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

39. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

40. **NOTE:** 3" O.D. VCL GATE POST, TYP.

41. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

42. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

43. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

44. **NOTE:** 3" O.D. VCL GATE POST, TYP.

45. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

46. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

47. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

48. **NOTE:** 3" O.D. VCL GATE POST, TYP.

49. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

50. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

51. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

52. **NOTE:** 3" O.D. VCL GATE POST, TYP.

53. **NOTE:** 3/16" X 3/4" TENSION BAR,  TYP.

54. **NOTE:** 6 GAUGE CORE - 1-3/4" MESH VINYL CHAIN LINK (VCL)

55. **NOTE:** 7/8" X 12" TENSION BANDS AT 12" O.C.

56. **NOTE:** 3" O.D. VCL GATE POST, TYP.
NOTES:
1. ALL FIELD LAYOUTS ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF.
2. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.
3. ALL FIELD DIMENSIONS SHALL CONFORM TO NFHS STANDARDS. PROVIDE SHOP DRAWINGS FOR FIELD STRIPING PRIOR TO ORDERING SYNTHETIC TURF.

NOTES:
1. CHESHIRE HIGH SCHOOL LOGO STITCHED INTO SYNTHETIC TURF.
2. COLORS: WHITE, BLACK, RED.
3. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT WITH OWNER PRIOR TO ORDERING AND INSTALLATION.
NOTE:

1. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.

2. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF, COLOR: BLUE

3. END LINES AND SIDELINES ARE CONSIDERED OUT-OF-BOUNDS

4. ALL FIELD BOUNDARY/ LIMIT DIMENSIONS ARE TO THE INSIDE EDGE (FIELD SIDE) OF END LINES OR SIDELINES ACCORDINGLY.

5. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.

6. ALL FIELD LINES ARE TO BE PERMANENTLY STITCHED INTO SYNTHETIC TURF, COLOR: GRAY

7. END LINES AND SIDELINES ARE CONSIDERED OUT-OF-BOUNDS

8. ALL FIELD BOUNDARY/ LIMIT DIMENSIONS ARE TO THE INSIDE EDGE (FIELD SIDE) OF END LINES OR SIDELINES ACCORDINGLY.

9. CONTRACTOR SHALL CONFIRM SIZE, COLOR, AND LAYOUT OF EACH FIELD WITH OWNER PRIOR TO ORDERING AND INSTALLATION.

10. ALL FOOTBALL FIELD LINES ARE 4" WIDE UNLESS OTHERWISE NOTED.

11. TAKE MEASUREMENT FROM CENTER OF 50 YARD LINE TO CENTER OF 5 YARD LINES, AND FROM CENTER OF 50 YARD LINE TO INSIDE OF GOAL GOAL LINES, SIDE LINES, AND END LINES.

12. CLEAR ZONE SHOWN AS REFERENCE ONLY

OFFICIAL DRAWINGS FOR FIELD STRIPING PRIOR TO ORDERING SYNTHETIC TURF.
FOR EACH OF THE FOLLOWING MATERIALS LISTED ON REGIONAL WATER AUTHORITY STANDARD DETAILS, REFER TO THE FOLLOWING EARTHWORK SPECIFICATION SECTIONS:

- **PROCESSED STONE BASE**: SECTION 31 00 00 2.01(D) - PROCESSED AGGREGATE BASE
- **BACKFILL (PAVED AREAS)**: SECTION 31 00 00 2.01(E) - GRAVEL BORROW
- **BACKFILL (UNPAVED AREAS)**: SECTION 31 00 00 2.01(B)(1) - CLASS B BACKFILL
- **CRUSHED STONE**: SECTION 31 00 00 2.01(A) - CRUSHED STONE
- **SAND**: CTDOT MATERIALS SECTION M.01.01-FINE SAND
FOR EACH OF THE FOLLOWING MATERIALS LISTED ON REGIONAL WATER AUTHORITY STANDARD DETAILS, REFER TO THE FOLLOWING EARTHWORK SPECIFICATION SECTIONS:

- **PROCESSED STONE BASE**: SECTION 31 00 00 2.01(D) - PROCESSED AGGREGATE BASE
- **BACKFILL (PAVED AREAS)**: SECTION 31 00 00 2.01(E) - GRAVEL BORROW
- **BACKFILL (UNPAVED AREAS)**: SECTION 31 00 00 2.01(B)(1) - CLASS B BACKFILL
- **CRUSHED STONE**: SECTION 31 00 00 2.01(A) - CRUSHED STONE
- **SAND**: CTDOT MATERIALS SECTION M.01.01-FINE SAND
FOR EACH OF THE FOLLOWING MATERIALS LISTED ON REGIONAL WATER AUTHORITY STANDARD DETAILS, REFER TO THE FOLLOWING EARTHWORK SPECIFICATION SECTIONS:

· PROCESSED STONE BASE:
  SECTION 31 00 00 2.01(D) - PROCESSED AGGREGATE BASE

· BACKFILL (PAVED AREAS):
  SECTION 31 00 00 2.01(E) - GRAVEL BORROW

· BACKFILL (UNPAVED AREAS):
  SECTION 31 00 00 2.01(B)(1) - CLASS B BACKFILL

· CRUSHED STONE:
  SECTION 31 00 00 2.01(A) - CRUSHED STONE

· SAND:
  CTDOT MATERIALS SECTION M.01.01-FINE SAND
NOTES:

1. COORDINATE OPENINGS NOT SHOWN WITH EQUIPMENT AND MEP/FP DRAWINGS.
### ELECTRICAL SCHEDULES

**Table:**

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data 1</td>
<td>Data 2</td>
<td>Data 3</td>
<td>Data 4</td>
</tr>
</tbody>
</table>

**Notes:**
1. Note 1
2. Note 2
3. Note 3

---

**LIGHTING FIXTURE SCHEDULE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Lumens</th>
<th>Watt Hours</th>
<th>IP Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF1</td>
<td>Lamp Holder</td>
<td>1120</td>
<td>8.00</td>
<td>524</td>
</tr>
<tr>
<td>SF2</td>
<td>Lamp Holder</td>
<td>1345</td>
<td>8.00</td>
<td>524</td>
</tr>
<tr>
<td>SF3</td>
<td>Lamp Holder</td>
<td>2050</td>
<td>8.00</td>
<td>524</td>
</tr>
<tr>
<td>SF4</td>
<td>Lamp Holder</td>
<td>1345</td>
<td>8.00</td>
<td>524</td>
</tr>
</tbody>
</table>

**GENERAL NOTES**

- Note 1
- Note 2