

Ward Park Improvements

ADDENDUM NO. 3

August 27, 2014

ISSUED BY: Office of the City Engineer
Department of Public Works
Administrative Offices – 2nd Floor
135 Neil Street
Marlborough, MA 01752

Addendum No. 3 is considered part of the Contract Documents and modifies the original Bid Documents dated August 2014. The prospective bidder shall acknowledge receipt of this Addendum in the appropriate space provided on the Bid Form in Section 00300. Failure to acknowledge this Addendum will result in disqualification of the bidder.

QUESTIONS FROM CONTRACTORS

1. Can all are (sic) part of the existing stone walls remain in place so long as they are buried with fill, or if broken down can their remains be buried under the new fill?

Response: Yes, the existing stone wall may remain in place provided it has been removed to a minimum of 2-ft below the finished grade or broken components of it remain 2-ft below the finished grade.

2. Is the guard rail at the parking lot to be removed and disposed of?

Response: Yes.

3. We are assuming that we are removing the 12" RCP along Orchard St before installing new HDPE pipe. Please confirm.

Response: The 12" RCP pipe shall be removed prior top installing the new HDPE pipe.

4. Can the drain structures to be removed which are not being replaced be broken to 2' below grade and filled or do we have to remove them?

Response: For drain structures to be taken out service/abandoned, the structures may be removed to 2-feet below finished grade minimum and filled with either sand or control density fill provided they are not in conflict with any proposed work. Frames and covers shall be delivered to the Marlboro Department of Public Works.

5. Can pipes to be removed be abandoned in place and their ends capped or do we have to dig them up and remove them? (We understand that the 24" pipe is to be abandoned in place and filled with control density fill.)

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Response: Pipes to be abandoned, with the exception of the 24" drain noted, can be abandoned in place with ends capped with hydraulic cement or approved equal.

6. DMH #1, #6, and #7 currently exist. Please confirm that we are to remove these structures and replace them with new structures.

Response: Please refer to the revised sheet L-5 included herein. DMH-1, DMH-10, and DMH-11 shall be new structures and the existing structures shall be removed.

7. DMH #5 is labeled as an 8' CB on with detail 4/L-9. Should this be labeled as an 8' DMH with Detail S/L 9?

Response: Refer to the revised Sheet L-5 included herein.

8. What size are the Yard Drains? No dimension on detail or plans.

Response: 12"

9. Please confirm that the flat panel drains are to be 6" tall.

Response: Yes

10. Is the collector drain pipe 6" or 15" diameter? The detail 10/L-9 has labels showing both size pipes.

Response: 15"

11. There is a 24" pipe run off of DMH #1 that is being removed. Are we to remove only the portion shown on the plans or the entire run to the next structure? Can it be abandoned in place? The same applies to the 8" VC pipe at DMH #7. Please clarify. The existing conditions plans do not show where these pipes extend to.

Response: The length of 24" drain pipe shown to be abandoned (approx. 20 feet) shall be removed and the end shall be capped with hydraulic cement or approved equal. The 8" VC pipe at DMH 7 shall be abandoned in place and capped with hydraulic cement or approved equal. The pipes were not detected beyond the limits shown on the existing conditions plan by the surveyor.

12. There are no rim or invert elevations for the new or replaced 4' diameter Catch Basins. Please provide a CB average height to quote.

Response: Refer to the revised Sheet L-5 included herein.

13. I could not find the trench drain specification in the specifications. Please provide a make and model for the trench drain.

Response: See Changes to the Specifications below.

14. Please confirm that the irrigation system for Alternate # A3 is to irrigate the planting islands only and-not other loam and seed areas outside of the athletic field.

Response: The Irrigation for this alternate shall include all areas as defined within the limits of "Landscape Irrigation", including the planting islands, exclusive of the area designated as limits of "Field Irrigation".

15. Police details as described in Addendum #1 under Special Conditions sec 1.08 indicates that the cost of police detail should be a bid item with an amount given by the City. (allowance) Currently there is no bid item for police details. How should we handle the cost of police details.

Response: See Changes to the Specifications below.

16. What is the detail for the sewer cleanout? Not shown in current details.

Response: The sewer cleanout detail is provided on Sheet L-12.

17. I counted 85 CS and 95 IG on the planting plan, however the plant list shows 80 and 82 for these items. All the trees checked out ok.

Response: Plant count has been updated. See re-issued planting plan for updated quantities.

18. The electric plan E3 indicates that we are to disconnect and remove 3 light poles, however I counted 7 light poles around the field. Please clarify what is to be R & D'd.

Response: All 7 poles around the football field shall be disconnected and removed.

19. What are to be done with the existing light poles on the courts? Are they to be removed as well before the new court lights are put in?

Response: The 5 existing light poles around the courts shall be disconnected and removed as shown on the demolition plan E-3.

20. Will the city cover any back charges from the Utility Company?

Response: As stated in Section 16020 Paragraph 1.07.C.2, contractor shall pay all power company charges required for the electrical service. See related changes to the specifications below.

21. Note #1 under the Plant Maintenance Notes on Drawing L-7 says that the maintenance period is 2 years, while the specification says the maintenance period is 120 days. Please clarify the time before the city takes over maintenance.

Response: See revised Sheet L-7 included herein.

22. The guarantee period for the plants on Drawing L-7 is for 2 years, while the specification says 1 year. Please clarify.

Response: See revised Sheet L-7 included herein.

23. Please confirm that the maintenance period for loam and seed areas will be 12 weeks and will follow specification 02930 and not the 2 year note on the planting drawing L-7.

Response: See revised Sheet L-7 included herein.

24. There is supposed to be a unit price for screened gravel according to specification 02901 sec 3.01C, however the bid form does not have a place for this item.

Response: Delete this reference.

25. Detail 1/L-12 on Drawing L-12 says that the tennis court and basketball courts bituminous concrete is to be 1-3/4" base and 1-1/4" top while on drawing L-8 the detail reference is 1/L-10 which calls for 2" base and 1 1/2 top. Please clarify.

Response: The detail for all court and skate park surfacing should refer to detail 1 on sheet L-12.

26. Please confirm that the skate park and the volleyball court is to follow detail 1/L-12 (1 3/4" base and 1 1/4" top)

Response: The detail for all court and skate park surfacing should refer to detail 1 on sheet L-12.

27. The width of the tennis court on Drawing L-8 measures 62' while the dimension label says 70'. Please clarify.

Response: The width of the tennis court should be 62'.

28. Is there a retaining border for the playground area to retain the wood fiber surfacing such as a mow strip under the fence on the three sides that do not have the concrete walk?

Response: There should be a concrete mow strip on all sides of the playground under the fence to retain the wood fiber surfacing as well as along the eastern edge of the tennis court to keep a 1% maximum slope inside the court.

29. Please confirm that the chain link fence with a mow strip is only along the west side of the skate park, around the entire pool area, and along the north side of the athletic field.

Response: Refer to the revised pavement edge detail on SK-1. There will be no concrete mow strip along this edge. Bituminous pavement shall be placed over concrete footings to provide continuous surface 6" past fence posts.

30. Is the treatment under the base bid where the rest room building is to go under an alternate to be bituminous concrete?

Response: Yes.

31. What is the treatment for the sidewalk in front of the school where we have taken out the existing concrete sidewalk? If it is a concrete sidewalk, what are the limits of the new walk?

Response: Yes, the walkways shall be bituminous concrete.

32. The double gate at the play area measures 8 ft on Plan L-8, however the label for the gate says it should be 14 ft wide. Please clarify.

Response: The double gate shall be 10-ft wide.

33. The tennis court gate on Drawing L-8 measures 14 ft while the label says 10 ft. Please clarify.

Response: All double leaf maintenance gates at the courts shall be 14-ft wide. Refer to the re-issued enlargement plan on sheet L-8 for updated fencing information.

34. Are the light poles and fixtures for the courts (poles P1 to P4) to be included in Bid Alternate A-4?

Response: Yes.

35. Is the parking lot granite curb to be 4" x 16" or 6" x 18"? Vertical granite curb detail 12/L-10 is 4" however drawing L-3 indicates the curb is 6" on the curb label. Please clarify.

Response: Granite curbing shall be 4" x 16"

36. Wear mats are not shown on the layout drawings Please indicate how many are needed.

Response: See revised sheet L- 8. There are 5 wear mats.

CHANGES TO THE SPECIFICATIONS

1. SECTION 00300

REPLACE the entire section with the revised Section 00300 attached herein.

2. SECTION 01025

INSERT the entire section with Section 01025 attached herein.

3. SECTION 16020 .Paragraph 1.07.C.1

REPLACE with the following:

1. The contractor shall carry an allowance of \$10,000 for all power company charges described in Paragraph 1.07 B and shall carry this allowance in Bid Item # 1 of the Base Bid.

4. SECTION 02605 **ADD** Paragraph 2.13 and 3.05 THRESHOLD DRAINS as follows:

2.03 THRESHOLD DRAINS

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A. Threshold drain shall be polymer concrete "U" shape profile ACO Drain, with ADA black plastic grate manufactured by ACO Polymer Products, Inc., Chardon, OH 44024, or approved equal. Provide the following threshold drain items:

1. ACO Sport System 4000, 4020 Neutral Channels in one meter lengths or approved equal.
2. ACO Sport System 4000 In-Line Catch Basins or approved equal.
3. ACO ADA black plastic grates with "Quicklock" locking mechanism or approved equal.

3.05 THRESHOLD DRAINS

- A. Set threshold drains s accurately to elevations and positions as indicated on the Drawings and as Detailed, and in accordance with all full manufacturer's printed instructions.
- B. Install ADA plastic grates and as detailed and in accordance with full manufacturer's printed instructions.

5. SECTION 02850 **ADD** Paragraph 2.12 and 3.12 as follows:

2.12 DRINKING FOUNTAIN

- A. Contractor shall furnish and install one (1) drinking fountain, Series 440SM by Most Dependable Fountains, Inc. of Arlington, TN, tel: (800) 867-0039.
 1. Type "K" copper shall be used for buried piping. Solder Alloy 95TA (95 percent Tin, 5 percent Antimony), ASTM B32. No solder containing lead shall be utilized on the project.
 - a) Fittings shall be wrought copper per ANSI B16.22 or bronze castings per ANSI B16.18, manufactured to copper tube dimensions with grooves designed to accept Victaulic couplings.
 - b) Couplings shall consist of two ASTM A536 ductile iron housing segments cast with offsetting, angle-pattern bolt pads to provide system rigidity, coated with copper-colored alkyd enamel. Gaskets shall be pressure-responsive, synthetic rubber of a FlushSeal® design, Grade EPDM, with plated steel bolts and nuts to secure unit together. Couplings shall be manufactured to connect copper tubing sized tube and fittings. Flaring of tube and fitting ends to IPS dimensions is not permitted. Victaulic Style 606.
 - c) Flange adapters shall be cast ductile iron conforming to ASTM A536, coated with copper-colored alkyd enamel, flat face, for direct connection to ANSI Class 125 and 150 flanges. Victaulic Style 641.

2. Contractor shall provide the Owner with spare parts including two additional valves and three additional hoses.

3.12 DRINKING FOUNTAIN

- A. Coordinate and schedule all work for installation of the drinking fountain water service with Owner.
- B. Install Drinking fountain on concrete pad in location shown on the Drawings. Stake location for approval by Engineer.

CHANGES TO THE DRAWINGS

1. On Sheet L-2, revise the sheet references FROM sheet L-5 TO L-8.
2. On Sheet L-2, DELETE note "Hybrid Basketball".
3. REPLACE Sheet L-4 with revised Sheet L-4 as included herein.
4. REPLACE Sheet L-5 with revised Sheet L-5 as included herein.
5. REPLACE Sheet L-6 with revised Sheet L-6 as included herein.
6. REPLACE Sheet L-7 with revised Sheet L-7 as included herein.
7. REPLACE Sheet L-8 with revised Sheet L-8 as included herein.
8. REPLACE Sheet L-9 with revised Sheet L-9 as included herein.
9. REPLACE Sheet L-14 with revised Sheet L-14 as included herein.
10. REPLACE Sheet L-15 with revised Sheet L-15 as included herein.
11. ADD SK-1 as included herein to INSERT Detail 10/ L-10 and REVISE Detail 8/ L-12 .
12. ADD SK-2 as included herein to INSERT Detail 13/ L-9.
13. ADD SK-3 as included herein for revised notes to SHEET L-3.

NOTE: Sheets L-4 through L-15 are full size original sheets at 30" x 42" (ARCH E1 size). SK-1, SK-2 and SK-3 are 11" x 17" paper size.

SECTION 00300
BID FORM
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WARD PARK

The undersigned declares that the only persons or parties interested in this Bid as principals are as stated; that the Bid is made without any collusion with other persons, firms, or corporations; that all the Contract Documents as prepared by CDM Smith, 50 Hampshire Street, Cambridge, MA 02139, dated August 2014 have been carefully examined; that the undersigned is fully informed in regard to all conditions pertaining to the Work and the place where it is to be done, and from them the undersigned makes this Bid. These prices shall cover all expenses incurred in performing the Work required under the Contract Documents, of which this Bid Form is a part.

The Low Bidder will be determined based on the total of Part I-Base Bid Prices and any Part II-Add Alternate Prices that are added at the option of the Owner.

If a Notice of Award accompanied by at least six unsigned copies of the Agreement and all other applicable Contract Documents is delivered to the undersigned within ten days, excluding Saturdays, Sundays, and legal holidays, of the actual date of the opening of the Bids, the undersigned will within five days, excluding Saturdays, Sundays, and legal holidays, after the date of receipt of such notification, execute and return all copies of the Agreement and all other applicable Contract Documents to OWNER. The premiums for all Bonds required shall be paid by CONTRACTOR and shall be included in the Contract Price. The undersigned Bidder further agrees that the Bid Security accompanying this Bid shall become the property of OWNER if the Bidder fails to execute the Agreement as stated above.

The Bid Security in the amount of 5% of the Base Bid shall be included with the Bid.

The undersigned hereby agrees that the Contract Time shall commence no later than **September 15, 2014**, unless extended in writing by the City's Contract Manager, and to fully complete the project for use by the owner by **May 29, 2015**, unless extended in writing by the City's Contract Manager, from contract authorization and in accordance with the terms as stated in the Agreement.

The undersigned further agrees to pay OWNER, as liquidated damages, \$500.00 per day for each calendar day beyond the date for completion of project completion or the Contract Time Limit or extension thereof that the Work remains incomplete, in accordance with the terms of the Agreement.

The undersigned acknowledges receipt of addenda numbered:

In accordance with the above understanding, the undersigned proposes to perform the Work, furnish all materials and complete the Work in its entirety in the manner and under the conditions required at the prices listed as follows:

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PART I - BASE BID:

Item No.	Estimated Quantity	Brief Description of Items with Price in Words
Bid item # 1	L.S.	All work required to construct the Ward Park Improvements including all work required for site preparation and removals including removals and disposals or grinding of existing bituminous concrete pavements, removals of stone retaining walls and concrete foundations, chain link fences, and other miscellaneous items; clearing and grubbing; furnishing and installing and maintenance of erosion controls; rough and fine grading of all areas identified within the limit of work; installing new sub drainage and loaming and seeding new athletic field including furnishing and installing a new "Field Irrigation" system (as defined by the limits shown on the plan) for the athletic field; preparation of the base and furnishing and installing new bituminous concrete pavement including, granite curbing and pavement markings and including pavement in the area shown on the plan for the new rest room/ concession building; furnishing and installing new chain link fencing and gates; installation of a new basketball court, new tennis court, new volley ball court and new skateboard area; furnishing and installing new play area; furnishing and installing picnic tables and waste containers furnishing and installing all site utility work; new electrical service and lighting system described as "Base Bid" on Sheet E-4; furnishing and installing loam and seed in the area on the plan identified as the horseshoe/ bocce court area; preparation of the base and furnishing and installing new bituminous concrete pavement in the area of the concrete pavers shown at the north entrance of the park; and other miscellaneous work to provide all improvements as described in the contract documents; and other miscellaneous work to provide all improvements as described in the contract documents, with the exception of items priced separately under ADD ALTERNATE pricing below.

\$ _____
Lump Sum (Amount in Words)

\$ _____
Lump Sum (Amount in Figures)

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Bid item # 2a 40 cu. yds. Rock and boulder excavation as specified in 02200.

Eighty dollars per cubic yard

Unit Price/Total Price (Amount in Words)

\$ 80.00/ cubic yard/ \$3,200.00 total

Unit Price/Total Price (Amount in Figures)

Bid item # 2b 40 cu. yds. Additional payment for rock and boulder excavation over the established price.

Unit Price/Total Price (Amount in Words)

Unit Price/Total Price (Amount in Figures)

Bid item # 3 \$5,000. Police Details as specified in Section 01170.1.08.

Five thousand dollars

Unit Price/Total Price (Amount in Words)

\$5,000.00

Unit Price/Total Price (Amount in Figures)

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PART II – ADD ALTERNATE PRICES:

The Bidder is required to provide a bid for each Add Alternate listed below. In certain cases, the Alternate(s) presented below require that items described in Part I - BASE BID be replaced with the Alternate(s) described herein. In such cases, the Contractor shall base his/her Bid for the Alternate(s) in excess of the amount stated in Part I - BASE BID.

The Owner, at its option, may select Alternates in the order listed, or none of the Alternates. The Owner reserves the right to select the low bid from the Total Cost of Bid Items # 1 through Item # X, or the Total Cost of Bid Items # 1 through Item # X with the Lump Sum for each Add Alternate selected at the option of the Owner according to Part II Add Alternate Prices (e.g. Total Base Bid with Alternate A-1, or Total Base Bid with Alternates A-1 and A-2, or Total Base Bid with Alternates A-1, A-2 and A-3, etc.)

Item No.	Estimated Quantity	Brief Description of Items with Price in Words
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A-1	1 L.S.	Furnish and install the Bocce Court and Horseshoe pit area, complete and in place. Add Alternate price includes deletion of loaming and seeding included in the base bid above, and includes all courts, bituminous concrete pavement, fencing, granite curbing, benches, landscaping, and other miscellaneous work to provide these improvements as described in the contract
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\$ _____
Lump Sum (Amount in Words)

\$ _____
Lump Sum (Amount in Figures)

A-2	1 L.S.	Furnish and install the concrete pavers at north park entrance of the park. Add Alternate price includes deletion of bituminous concrete pavement and subbase included in the base bid above, and all subbase materials, granite edging, concrete pavers, landscaping, and other miscellaneous work to provide these improvements as described in the contract documents,
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\$ _____
Lump Sum (Amount in Words)

\$ _____
Lump Sum (Amount in Figures)

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A-3 1 L.S. Furnish and install the Field Lighting System as described as "A3" on sheet E-4, and other miscellaneous work to provide these improvements as described in the contract documents.

\$ _____
Lump Sum (Amount in Words)

A-4 1 L.S. Furnish and install the Parking Lot and Walkway Lighting as described as "A4" on sheet E-4, and other miscellaneous work to provide these improvements as described in the contract documents.

\$ _____
Lump Sum (Amount in Words)

\$ _____
Lump Sum (Amount in Figures)

A-5 1 L.S. Furnish and install the Landscape Irrigation system as defined by the limits shown on the planting plan, and other miscellaneous work to provide these improvements as described in the contract documents.

\$ _____
Lump Sum (Amount in Words)

\$ _____
Lump Sum (Amount in Figures)

A-6 1 L.S. Furnish and install the pre-manufactured concrete rest room/ concession facility, complete and in place as specified, including foundation system, including connection to water and sewer utility connections, electrical system as described as "A2" on sheet E-4; and other miscellaneous work to provide these improvements as described in the contract documents.

\$ _____
Lump Sum (Amount in Words)

\$ _____
Lump Sum (Amount in Figures)

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PART III - SUPPLEMENTAL UNIT PRICES

Should certain additional work be required, or should the quantities of certain classes of work be increased or decreased from those on which the Contract Sum is based, by order or approval of the Owner, the undersigned agrees that the following supplemental unit prices may be used as the basis of payment to him/her or credit to the Owner for such addition, increase, or decrease in the work as determined solely by the Owner.

Supplemental unit prices shall cover all costs, complete in place, and the prices given shall represent the exact amount per unit to be paid to the Contractor (in the case of additions or increases) or to be deducted from payments to the Contractor (in the case of deductions or decreases). No additional adjustments will be allowed for overhead, profit, insurance or other direct or indirect expenses of the Contractor or Subcontractor beyond the prices as listed.

<u>Section No.</u>	<u>Unit</u>	<u>Price (Add or Deduct)</u>
02575	Furnish and install bituminous concrete pathway pavement with stone base complete and in place.	\$ _____/sy
02575	Furnish and install 6x18 granite curb complete and in place.	\$ _____/lf
02830	Furnish and install 10' high chain link fence as specified, complete and in place.	\$ _____/lf
02830	Furnish and install 8' high chain link fence as specified, complete and in place.	\$ _____/lf
02830	Furnish and install 6' high chain link fence as specified, complete and in place.	\$ _____/lf
02830	Furnish and install 4' high chain link fence as specified, complete and in place.	\$ _____/lf
02900	Furnish and install 2 ½ cal shade tree complete and in place.	\$ _____/ea
03301	Furnish and install 4" thick cement concrete pavement with stone base complete and in place.	\$ _____/sy

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The Owner reserves the right to reject any or all supplemental unit prices. The undersigned agrees that extra work, if any, will be performed in accordance with Article 10 of the Conditions of the Contract and will be paid for in accordance with Article 11 of the Conditions of the Contract.

The bidding and award of this Contract will be in accordance with M.G.L. Chapter 30, Section 39M.

The undersigned must furnish a 100 percent Construction Performance Bond and a 100 percent Construction Payment Bond with a surety company acceptable to OWNER.

Amounts shall be shown in both words and figures, where indicated. In case of discrepancy, the amount shown in words will govern.

The above prices shall include all labor, materials, removal, overhead, profit, insurance and incidentals required to complete the Work as specified herein.

The names and residences of all persons and parties interested in the foregoing Bid as principals are as follows:

(Give first and last names in full. In the case of a corporation, see Article 8.3 of the Instructions to Bidders, in the case of a partnership; see Article 8.4 of the Instructions to Bidders.)

Pursuant to Chapter 62C, Section 49A of the Massachusetts General Laws, I _____,

whose principal place of business is at _____ do hereby certify under penalties of perjury that I have complied with all state laws pertaining to reporting of all employees and contractors and withholding and remitting child support and I have filed all state tax returns and paid all taxes required under law.

Signed under the penalties of perjury the _____ day of _____, 20XX.

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work.

The undersigned hereby certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of

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Section Twenty-nine F of Chapter Twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or requisition promulgated hereunder.

Social Security Number
or Federal Identification Number

Signature of Individual or
Corporate Name

By: _____
Corporate Officer (if applicable)

Notice of acceptance should be mailed, telegraphed, or delivered to the following:

(Name)

By: _____
(Title)

(Business Address)

(City and State)

Date _____

Note: If the Bidder is a corporation, indicate State of incorporation under signature, and affix corporate seal; if a partnership, give full names and residential addresses, if different from business address.

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1. Minimum qualifications of general contractor:

List a minimum of five similar municipal park projects completed by the General Contractor.

Project	Date
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

2. Provide five (5) references for similar projects by the General Contractor:

Project	Completion Date	Contact Name	Phone
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

3. Has any project, with which your firm was associated, been completed late, or beyond the originally project completion date? If so, please identify that project and explain. Attach additional information if necessary.

4. Please provide evidence of company size and of financial stability. This information may be submitted in a separate, sealed envelope, clearly marked "Company Information: Bid for CITY OF MARLBOROUGH – WARD PARK." It is understood that such material will be kept strictly confidential. Provide financial references such as banks or concerns from which substantial quantities of material have been purchased, including the contact for each reference.

5. List all current projects which your firm is currently under contract to perform and associated project schedules. Attach list hereto.

6. What is the total value of the largest single contract which your company has entered into?

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7. Has the **General Contractor** ever declared bankruptcy? _____ If yes, please provide additional information hereto.

8. Has the **General Contractor** ever been sued or is company currently under legal action for previous work? _____ If yes, please provide additional information hereto.

SECTION 01025

MEASUREMENT AND PAYMENT

ALL PARTS - GENERAL CONDITIONS OF BID FORM

1.01 BID

- A. The work covered by this Bid shall include the furnishing of all labor, materials, equipment and incidentals required to construct Ward Park in Marlborough, Massachusetts in its entirety as shown on the Drawings and as specified.
- B. The following paragraphs describe the measurement and payment for work to be performed under the respective items listed in the Bid Form.
- C. Each unit or lump sum price stated in the Base Bid or Alternates shall constitute full compensation as herein specified for each item of work completed in accordance with the Drawings and Specifications.

PART I - BASE BID

1.02 ALL WORK REQUIRED TO CONSTRUCT THE IMPROVEMENTS, SITE PREPARATION, AND ALL IMPROVEMENTS OTHER THAN COVERED UNDER OTHER ITEMS UNDER PART I AND PART II BELOW. (Bid Item # 1)

A. Measurement

- 1. Measurement for payment under Item 1 on the Bid Form will be on a lump sum basis for site work, and complete installation of new improvements within the limits of the work complete and in place.

B. Payment

- 1. Payment of the lump sum price bid for Item 1 in the Bid Form shall be full compensation for furnishing all labor, materials and equipment required to perform all activities including, but not necessarily limited to, the following:

All work required to construct the Ward Park Improvements including all work required for site preparation and removals including removals and disposals or grinding of existing bituminous concrete pavements, removals of stone retaining walls and concrete foundations, chain link fences, and other miscellaneous items; clearing and grubbing; furnishing and installing and maintenance of erosion controls; rough and fine grading of all areas identified within the limit of work; installing new sub drainage and loaming and seeding new athletic field including furnishing and installing a new "Field Irrigation" system (as defined by the limits shown on the plan) for the athletic field; preparation of the base and furnishing and installing new bituminous concrete pavement including, granite curbing and pavement markings and including pavement in the area shown on the plan for the new rest room/ concession building; furnishing and installing new chain link fencing and gates; installation of a new basketball court, new tennis court, new volley ball court and new skateboard area; furnishing and installing new play area; furnishing and installing

picnic tables and waste containers furnishing and installing all site utility work; new electrical service and lighting system described as “Base Bid” on Sheet E-4; furnishing and installing loam and seed in the area on the plan identified as the horseshoe/ bocce court area; preparation of the base and furnishing and installing new bituminous concrete pavement in the area of the concrete pavers shown at the north entrance of the park; and other miscellaneous work to provide all improvements as described in the contract documents; and other miscellaneous work to provide all improvements as described in the contract documents, with the exception of items priced separately under ADD ALTERNATE pricing below.

1.03 ROCK AND BOULDER EXCAVATION (Bid Items 2a and 2b)

A. Measurement

1. When rock is encountered, the material shall be uncovered and the Engineer notified. The Engineer will then take cross sections of the rock surface. If the Contractor fails to uncover the ledge, notify the Engineer and allow ample time for cross sectioning the undisturbed material, the Contractor shall have no right-of-claim to any classification other than that allowed by the Engineer. Removal of old concrete foundations, if any, shall be classified as rock.
 - a. Payment depth for rock when removal can be accomplished only by drilling or by use of jack (air or hydraulic) hammers.
 - b. Payment for rock removed shall be limited to the actual depth removed within the limits established by the contract documents.
2. Measurement for depth shall be from the top of the rock formation to the depth 18-in below finish grade as shown on the Drawings.
3. No allowance will be made for overbreakage.
4. Boulders and concrete structures exceeding 1 cu yd in volume when encountered in excavation will be measured for payment. Removal of boulders of whatever size will not be paid for when encountered in borrow areas.
5. The quantity of rock and boulder excavation to be paid for shall be the number of cubic yards of rock or boulders measured in place within the limits herein specified.

B. Payment

1. Payment for rock and boulder excavation will be made for the quantities as determined above at the unit price bid for Items 2a and 2b in the Bid Form. This price and payment shall be full compensation for any additional costs associated with rock and boulder excavation over and above the unit price established for this item.

1.04 POLICE DETAILS (Bid Item 3)

A. Measurement

1. The Contractor shall be responsible for paying the detail officers for the time worked. Based on the number of hours worked by the detail officer, the City will reimburse the Contractor for these costs from the Police Detail line item upon submission by the Contractor of evidence that the Detail Officers were paid. There shall be no mark-up allowed for Contractor overhead, profit, or other costs. The Contractor shall only be reimbursed the actual invoiced cost for the Detail Officer.

PART II - ADD ALTERNATES

2.01 GENERAL

- A. The Add Alternates presented require, in certain cases, that items described in Part I - BASE BID be replaced with the Alternate(s) described herein. In such cases, the Contractor shall base his Bid for the Alternate(s) only on the cost required to perform the Alternate(s) in excess of the amount(s) stated in Part I - BASE BID.
- B. The Alternates shall be bid such that the Owner at its option may select Alternates in the order listed, or none of the Alternates. The Owner reserves the right to select the low bid from the Total Cost of the Base Bid, or the Total Cost of the Base Bid with the Lump Sum for each Add Alternate selected at the option of the Owner according to Part II Add Alternate Prices (e.g. Total Base Bid with Alternate A-1, or Total Base Bid with Alternates A-1 and A-2) . The Bidder is required to provide a bid for each Alternate listed below.

2.02 BOCCE COURT AND HORSESHOE PIT (Alternate A-1)

- A. Measurement
 1. If selected by the Owner, measurement for payment under Alternate A-1 will be on a lump sum price basis complete in place.
- B. Payment
 1. Payment for Alternate A-1 will be full compensation for furnishing and installing the Bocce Court and Horseshoe pit area, complete and in place. Price for Alternate A-1 shall be on a lump sum basis to include all other incidental work for which separate payment is not provided under other items.

2.03 CONCRETE PAVERS (Alternate A-2)

- A. Measurement
 1. If selected by the Owner, measurement for payment under Alternate A-2 will be on a lump sum price basis complete in place.
- B. Payment
 1. Payment for Alternate A-2 will be full compensation for furnishing and installing the concrete pavers at north park entrance of the park. Price for Alternate A-2 shall be on a lump sum basis to include all other incidental work for which separate payment is not provided under other items.

2.04 FIELD LIGHTING SYSTEM (Alternate A-3)

A. Measurement

1. If selected by the Owner, measurement for payment under Alternate A-3 will be on a lump sum price basis complete in place.

B. Payment

2. Payment for Alternate A-3 will be full compensation for furnishing installing the Field Lighting System as described as "A3" on sheet E-4. Price for Alternate A-3 shall be on a lump sum basis to include all other incidental work for which separate payment is not provided under other items.

2.05 PARKING LOT AND WALKWAY LIGHTING (Alternate A-4)

A. Measurement

1. If selected by the Owner, measurement for payment under Alternate A-4 will be on a lump sum price basis complete in place.

B. Payment

2. Payment for Alternate A-4 will be full compensation for furnishing and installing Parking Lot and Walkway Lighting as described as "A4" on sheet E-4. Price for Alternate A-4 shall be on a lump sum basis to include all other incidental work for which separate payment is not provided under other items.

2.06 LANDSCAPE IRRIGATION SYSTEM (Alternate A-5)

A. Measurement

1. If selected by the Owner, measurement for payment under Alternate A-5 will be on a lump sum price basis complete in place.

B. Payment

3. Payment for Alternate A-5 will be full compensation for furnishing and installing the Landscape Irrigation system as defined by the limits shown on the planting plan. Price for Alternate A-5 shall be on a lump sum basis to include all other incidental work for which separate payment is not provided under other items.

2.07 PRE-MANUFACTURED CONCRETE REST ROOM/ CONCESSION BUILDING (Alternate A-6)

A. Measurement

1. If selected by the Owner, measurement for payment under Alternate A-6 will be on a lump sum price basis complete in place.

B. Payment

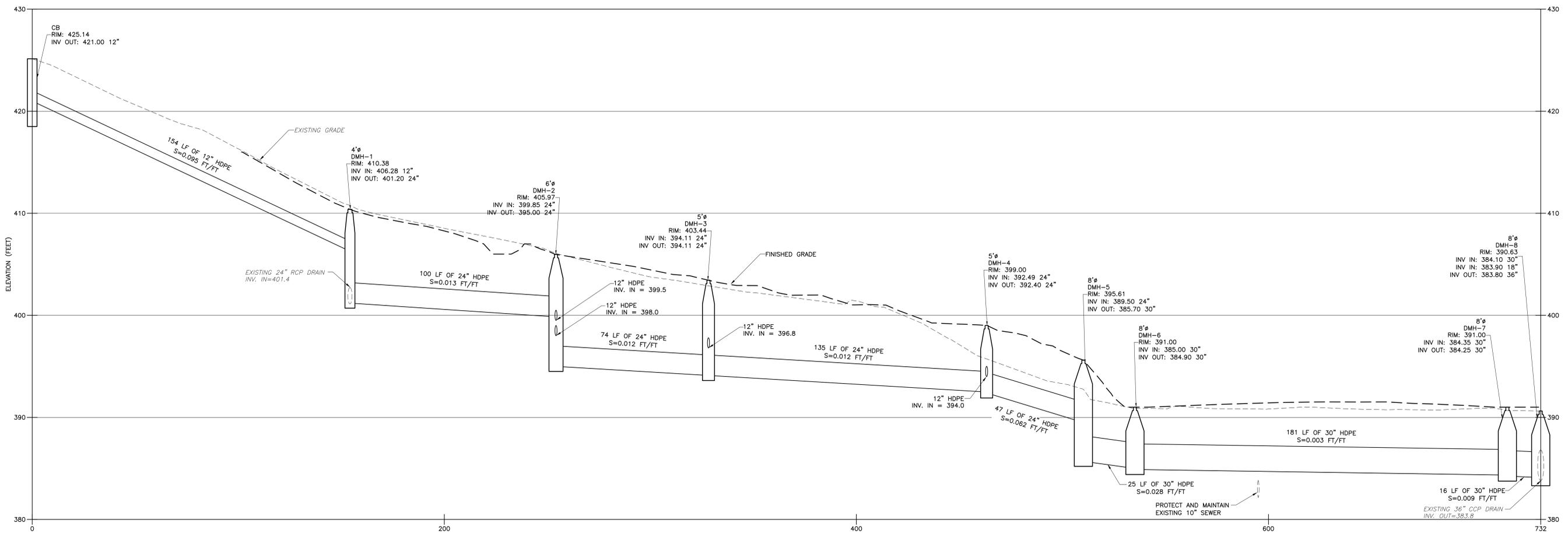
4. Payment for Alternate A-6 will be full compensation for furnishing and installing the pre-manufactured concrete rest room/ concession stand. Price for Alternate A-6 shall be on a lump sum basis to include all other incidental work for which separate payment is not provided under other items.

PART III - EXTRA WORK BID

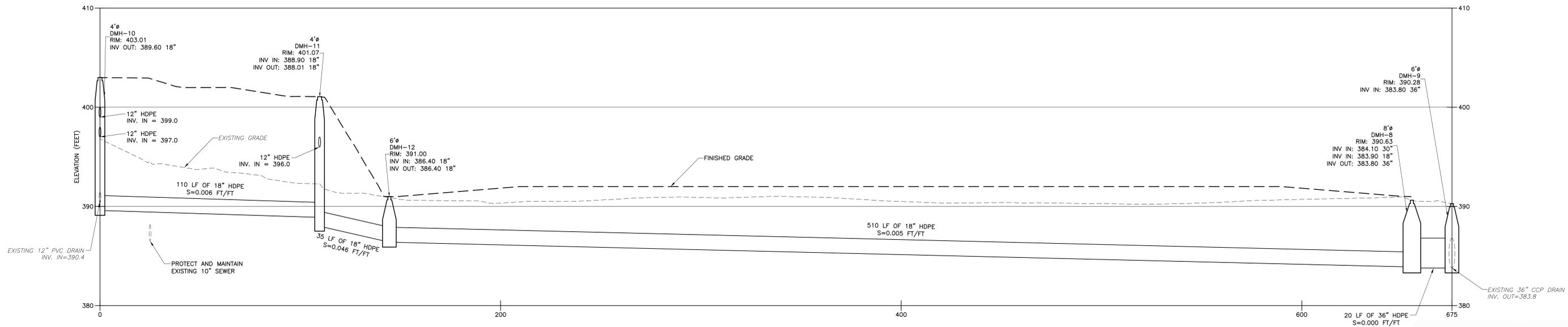
3.01 EXTRA WORK

- A. Extra work, if any, will be performed in accordance with rules under Supplemental Unit Prices and Article 10 of the General Conditions and will be paid for in accordance with the provisions or Article 11 of the General Conditions.

END OF SECTION



PROFILE 1:
 SCALE VER: 1"=4'
 SCALE HOR: 1"=20'



PROFILE 2:
 SCALE VER: 1"=4'
 SCALE HOR: 1"=20'

- NOTES:
- PROFILE DOES NOT INCLUDE FIELD DRAINAGE.



8-27-2014

XREFS: [CDMS_3042_C0005VPL_C0006SPL_C0001DRWP] Images: [Stamp_Addendum_3]
 Last saved by: PETRUKHIN, Time: 8/27/2014 5:00:21 PM
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REV. NO.	DATE	DRWN	CHKD	REMARKS
1	8/25/14	TP	BP	REVISED AS PER COMMENTS

DESIGNED BY: B. PARSONS
 DRAWN BY: T. PETRUKHIN
 SHEET CHK'D BY: B. PARSONS
 CROSS CHK'D BY: J. L. COTT
 APPROVED BY: B. PARSONS
 DATE: AUGUST 2014

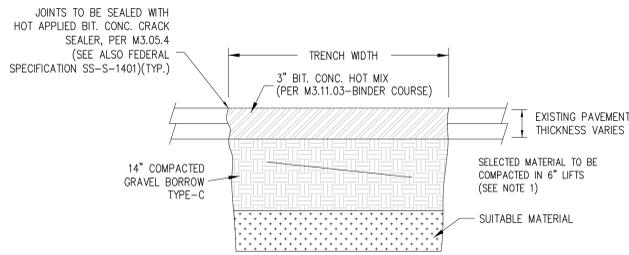


50 Hampshire Street
 Cambridge, MA 02139
 Tel: (617) 452-6000

CITY OF MARLBOROUGH, MA
 ARTEMAS WARD PARK IMPROVEMENTS

DRAINAGE PROFILE

PROJECT NO. 1438-103837
 FILE NAME: L006DRPF.dwg
 SHEET NO. L-6

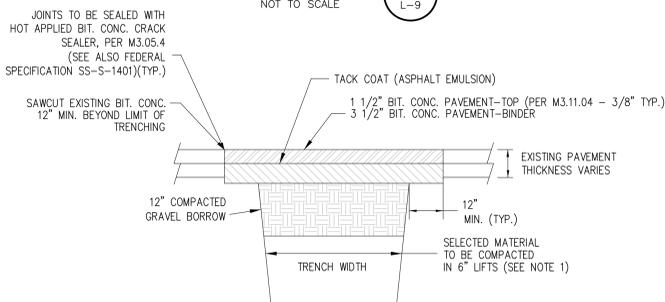


NOTE 1:

COMPACTION EQUIPMENT SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS TO OBTAIN THE COMPACTION STANDARDS DESCRIBED IN THE CONSTRUCTION NOTES, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. IN PROXIMITY TO STRUCTURES, A JUMPING JACK COMPACTOR SHALL BE REQUIRED.

TEMPORARY TRENCH PAVING TYPICAL SECTION

DETAIL 1 NOT TO SCALE L-9

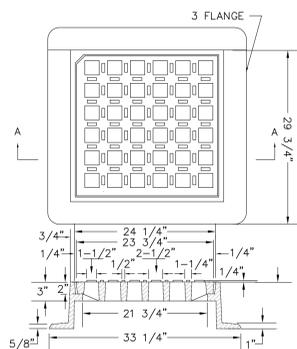


NOTE 1:

COMPACTION EQUIPMENT SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS TO OBTAIN THE COMPACTION STANDARDS DESCRIBED IN THE CONSTRUCTION NOTES, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. IN PROXIMITY TO STRUCTURES, A JUMPING JACK COMPACTOR SHALL BE REQUIRED.

TYPICAL FINAL TRENCH PAVING

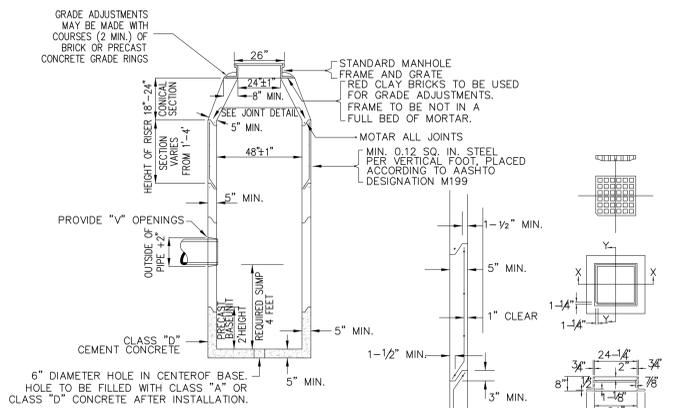
DETAIL 2 NOT TO SCALE L-9



NOTE: FRAME AND GRATE SHALL BE HEAVY DUTY CLASS 30 GRAY IRON.

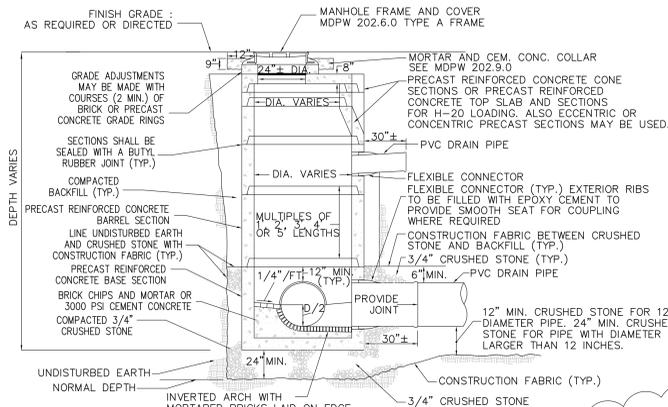
CATCH BASIN FRAME AND GRATE

DETAIL 3 NOT TO SCALE L-9



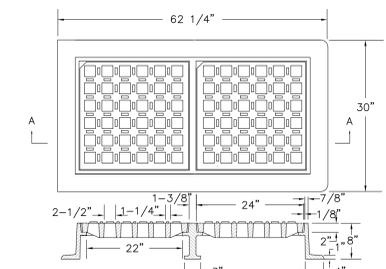
PRECAST CONC. CATCHBASIN

DETAIL 4 NOT TO SCALE L-9



PRECAST CONCRETE DRAIN MANHOLE

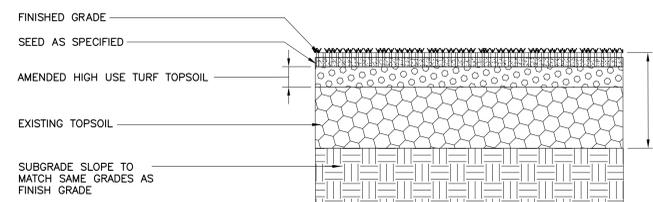
DETAIL 5 NOT TO SCALE L-9



NOTE: FRAME AND GRATE SHALL BE HEAVY DUTY CLASS 30 GRAY IRON.

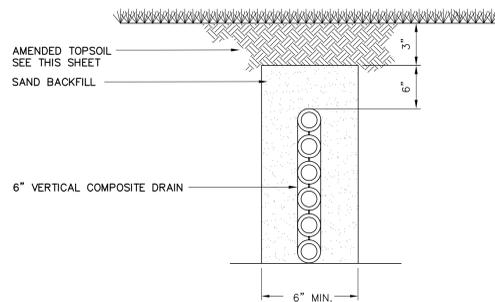
DOUBLE CATCH BASIN FRAME AND GRATE

DETAIL 6 NOT TO SCALE L-9



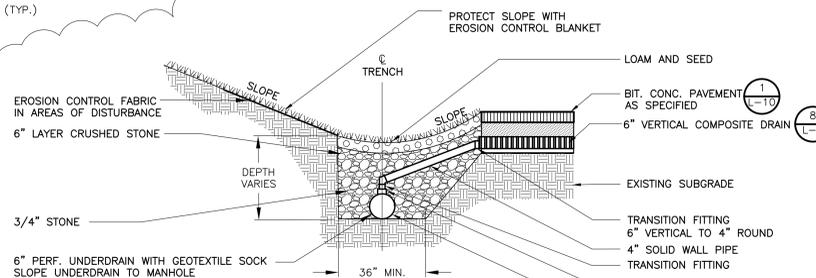
NATURAL TURF FIELD

DETAIL 7 NOT TO SCALE L-9



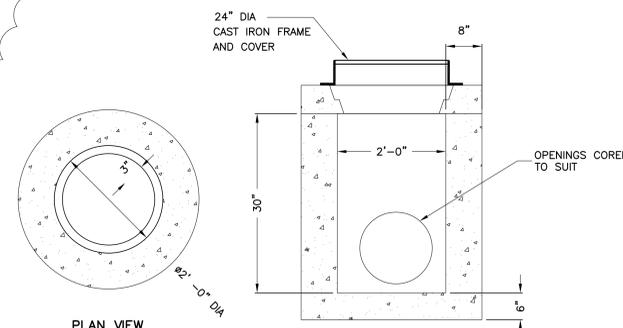
6\"/>

DETAIL 8 NOT TO SCALE L-9



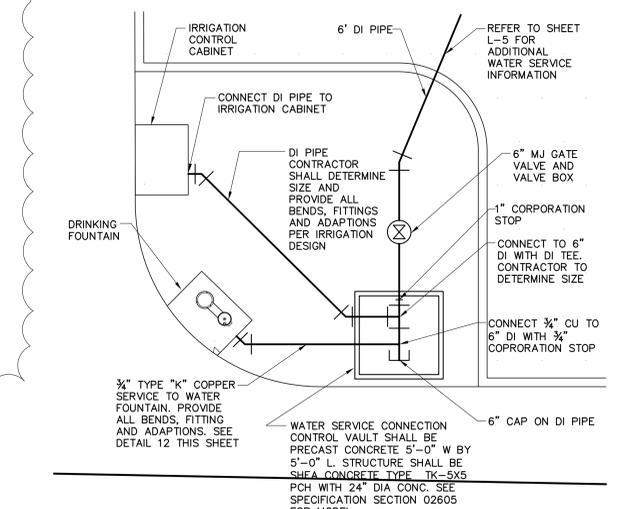
STONE DRAINAGE TRENCH

DETAIL 10 NOT TO SCALE L-9



MANHOLE TYPE II

DETAIL 11 NOT TO SCALE L-9

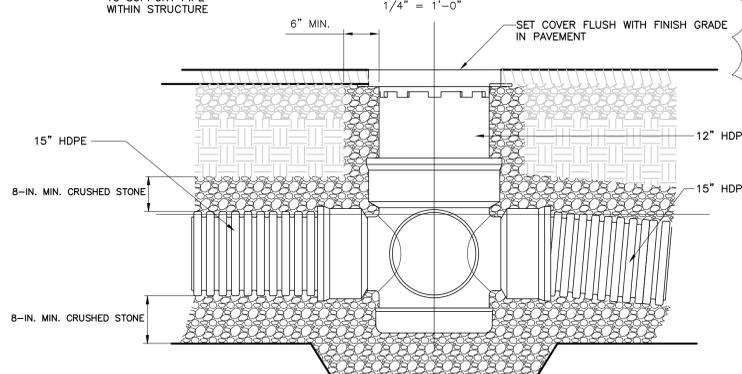


WATER SERVICE CONNECTION AREA ENLARGEMENT

PLAN

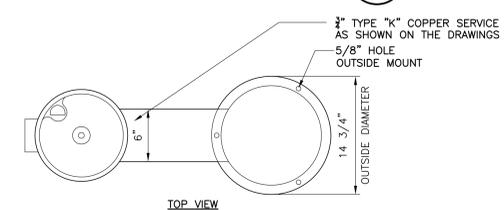
1/4\"/>

NOTE: CONTRACTOR SHALL PROVIDE CONCRETE BLOCK SUPPORTS TO SUPPORT PIPE WITHIN STRUCTURE

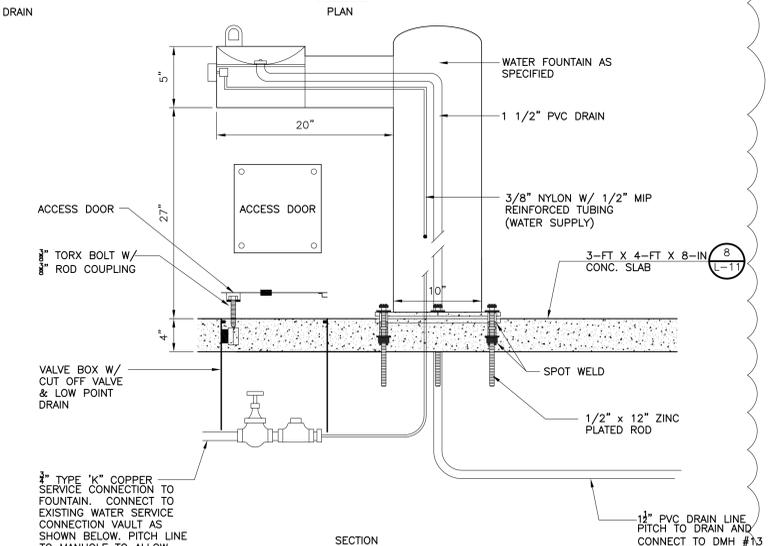


HDPE YARD DRAIN

DETAIL 9 NOT TO SCALE L-9



TOP VIEW PLAN



WATER FOUNTAIN

DETAIL 12 NOT TO SCALE L-9

NOTE: 1. LOCATE UNATTACHED VALVE BOX IN A LOCATION AS APPROVED BY THE LANDSCAPE ARCHITECT/ ENGINEER.



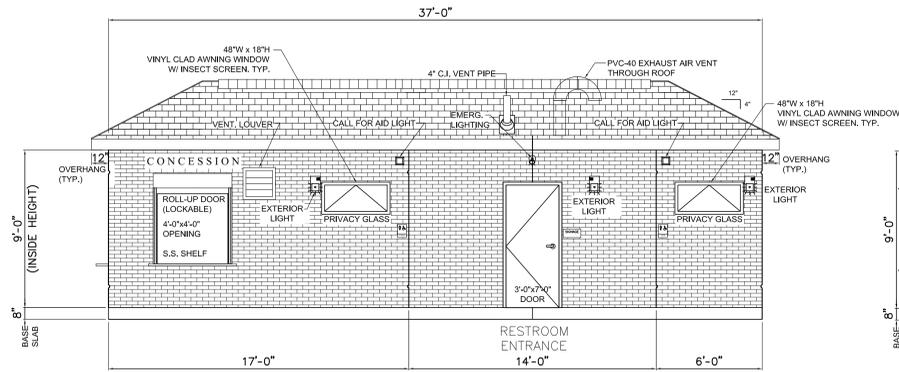
REV. NO.	DATE	DRWN	CHKD	REMARKS
1	8.27.14	DAM	SWL	REVISED AND ADDED DETAILS AS NOTED

DESIGNED BY: D.MELLET/S.LANDGREN
 DRAWN BY: D.MELLET
 SHEET CHK'D BY: S.LANDGREN
 CROSS CHK'D BY: J.OLCOTT
 APPROVED BY: S.LANDGREN
 DATE: AUGUST 2014

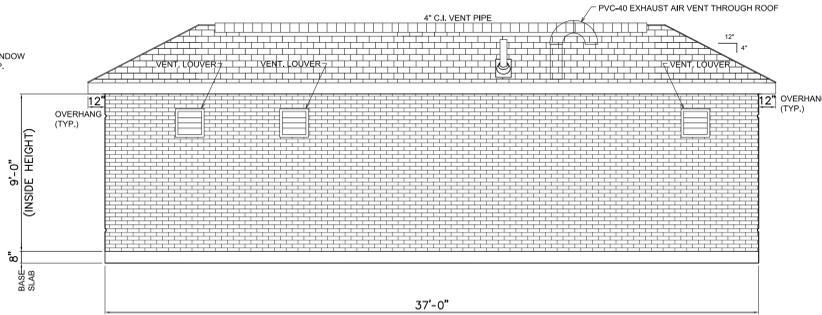


CITY OF MARLBOROUGH, MA
 ARTEMAS WARD PARK IMPROVEMENTS

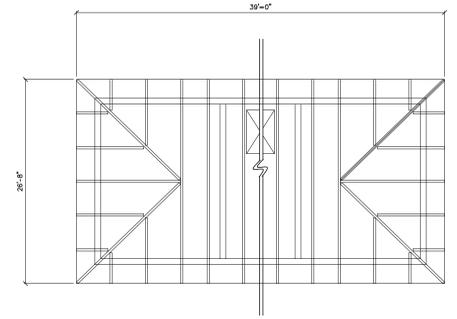
PROJECT NO. 1438-103837
 FILE NAME: L009DRDT.dwg
 SHEET NO. L-9
 1438-80002



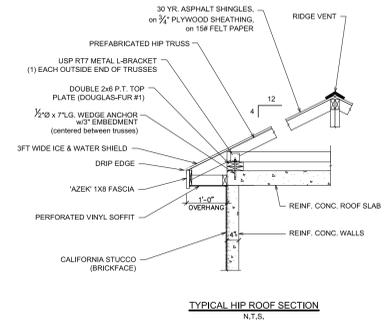
A
ELEVATION
1/4" = 1'-0"



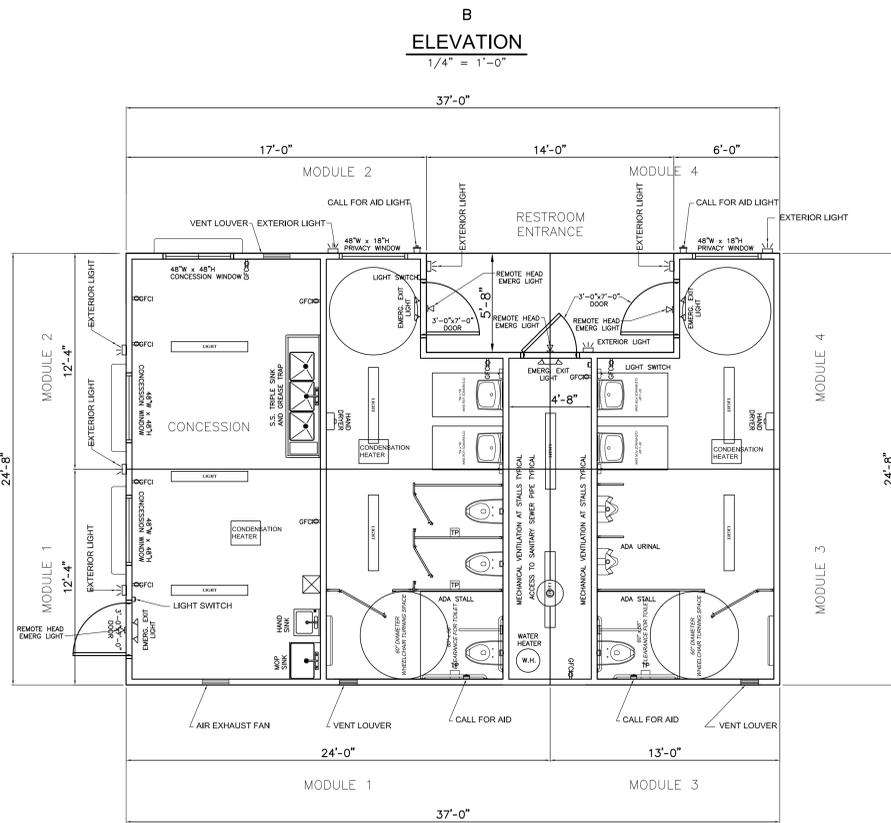
B
ELEVATION
1/4" = 1'-0"



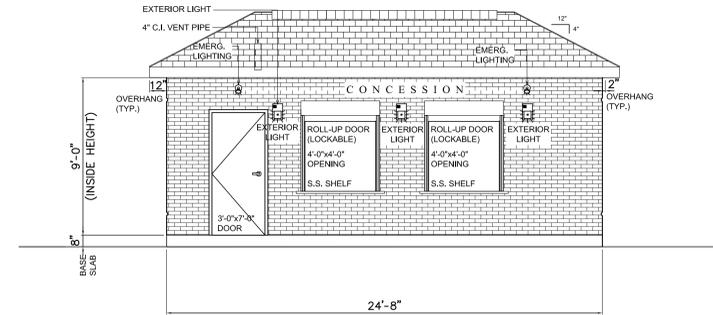
WOOD TRUSS LAYOUT



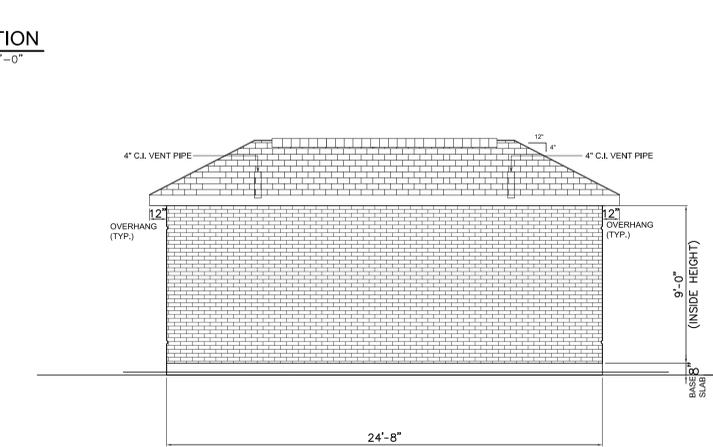
TYPICAL HIP ROOF SECTION
N.T.S.



C
ELEVATION
1/4" = 1'-0"



C
ELEVATION
1/4" = 1'-0"



D
ELEVATION
1/4" = 1'-0"

GENERAL NOTES:

- THIS DRAWING HAS BEEN PROVIDED TO SHOW DESIGN INTENT FOR PROPOSAL PURPOSES ONLY AND SHALL NOT BE CONSIDERED FOR CONSTRUCTION.
- THE DESIGN LAYOUT HAS BEEN PROVIDED BY UNITED CONCRETE PRODUCTS 173 CHURCH STREET, YALESVILLE, CT 06492, TEL: (800)234-3119, WWW.UNITEDCONCRETE.COM.
- THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FROM THE PRE-MANUFACTURED CONCRETE REST ROOM MANUFACTURER WHICH SHALL BE PREPARED BY AND BEAR THE STAMP OF A REGISTERED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT OF THE COMMONWEALTH OF MASSACHUSETTS.
- ALL DRAWINGS SHALL COMPLY ALL APPLICABLE CODES INCLUDING 521 CMR MA ARCHITECTURAL ACCESS BOARD, ADA MASS BUILDING CODE, MASS ELECTRICAL CODE, MODEL ENERGY CODE, BOCA INTERNATIONAL MECHANICAL CODE AND OTHER APPLICABLE CODES, LATEST EDITIONS.
- ALL HANDICAP ACCESSIBLE TOILET STALLS SHALL MEET THE LATEST REQUIREMENTS OF 521 CMR 30 PUBLIC TOILET ROOMS.
- CONTRACTOR SHALL VERIFY ALL REQUIRED PENETRATIONS IN FOUNDATIONS PRIOR TO CONSTRUCTION.
- CONCRETE COMPRESSIVE STRENGTH: 5000 PSI @ 28 DAYS
- STRUCTURES SHALL BE WET CAST USING A SELF COMPACTING CONCRETE MIX.
- THE SUPPORTING BASE FOR THE STRUCTURES SHALL BE A CAST-IN-PLACE CONCRETE FOUNDATION WALL WITH FOOTING.
- CONTRACTOR SHALL PROVIDE / VERIFY LOCATIONS AND SIZES OF ALL OPENINGS IN THE STRUCTURES.
- THE CONTRACTOR SHALL PROVIDE FIVE SETS OF STAMPED SHOP DRAWINGS AND DESIGN CALCULATIONS, SUITABLE FOR CONSTRUCTION. THESE DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY FOR A BUILDING PERMIT, AND TO THE ENGINEER FOR REVIEW.

PRE-MANUFACTURED CONCRETE CONCESSION BUILDING

PLAN
1/4" = 1'-0"



DESIGNED BY: S. LANDGREN
DRAWN BY: M. DODSON
SHEET CHK'D BY: S. LANDGREN
CROSS CHK'D BY: J. OLCOTT
APPROVED BY: S. LANDGREN
DATE: AUGUST 2014

CITY OF MARLBOROUGH, MA
ARTEMAS WARD PARK IMPROVEMENTS

DETAILS VII - RESTROOM BUILDING PLAN AND SECTIONS

PROJECT NO. 1438-103837
FILE NAME: L0155STD.dwg

SHEET NO.

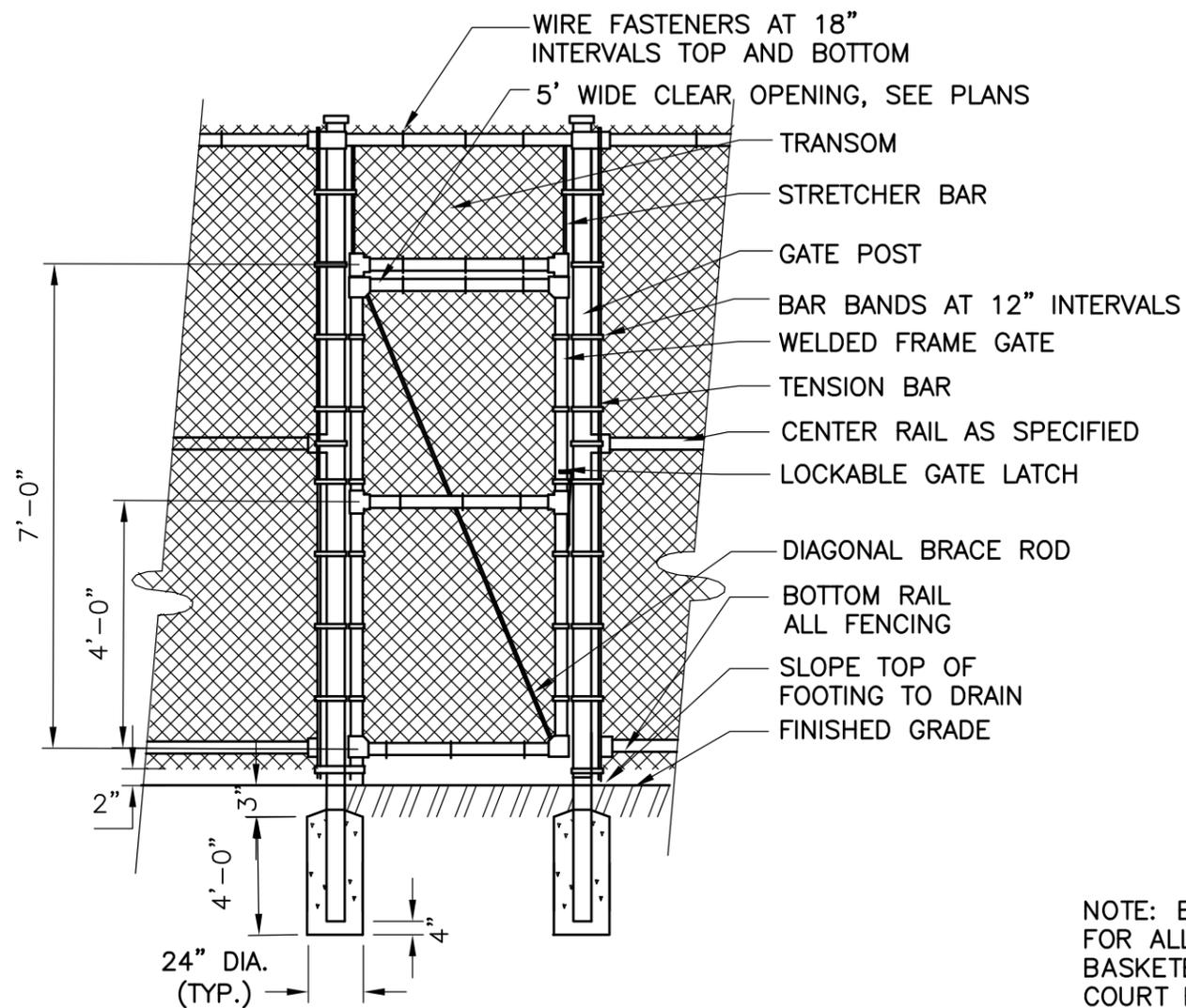
L-15

1438-80008

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	8.26.14	DAM	SWL	REVISED THE ROOF LINE TO ADD A HIP ROOF

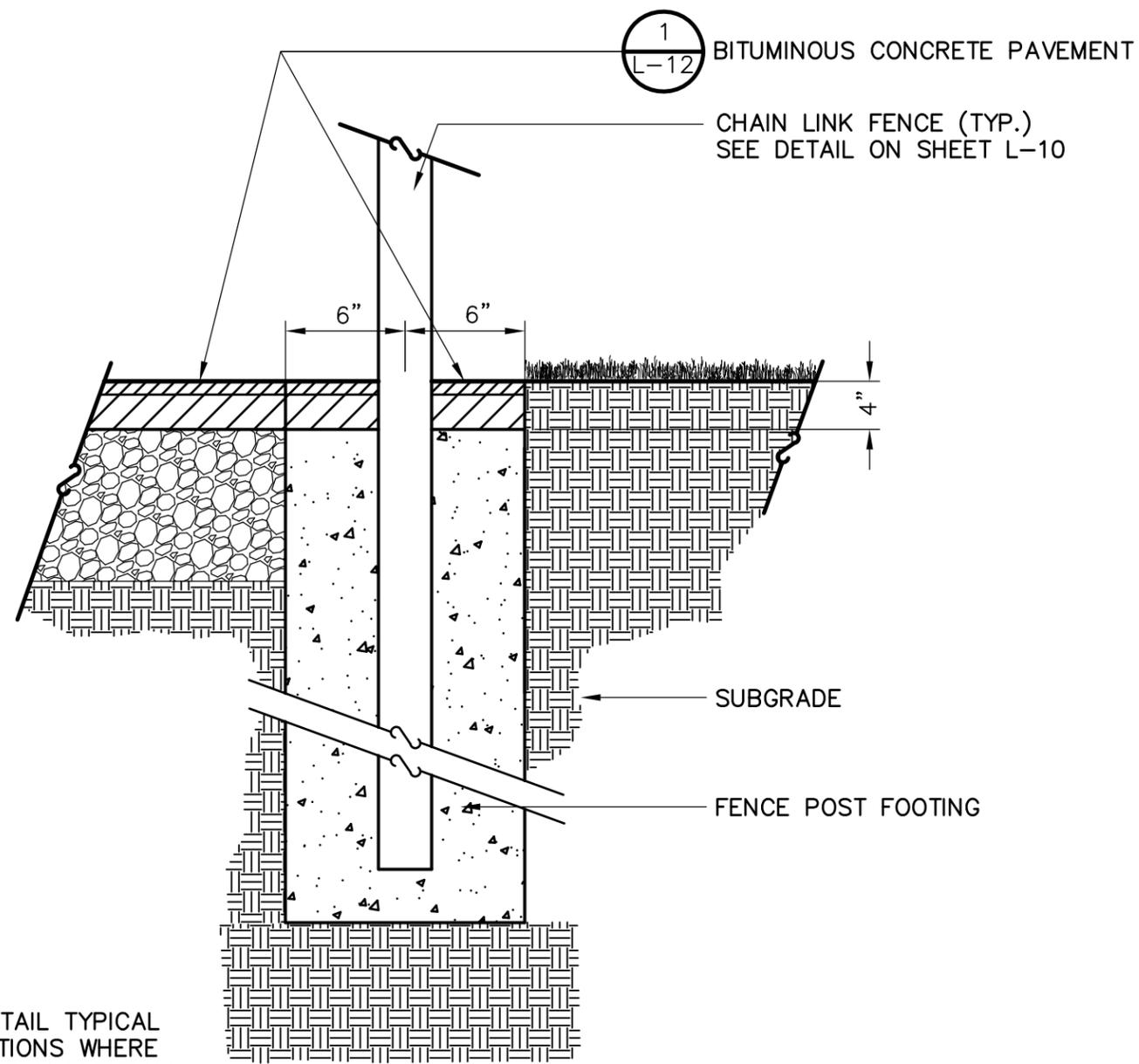
XREFs: [CDMS_3042] Images: []
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 p:\work\pdp\pml\1438\103837\04 Design Services ML_1008\02 cwt\10 CAD\LO155STD.dwg
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COURT CHAIN LINK FENCE PEDESTRIAN GATE

DETAIL 17
NOT TO SCALE L-10



BASKETBALL/ VOLLEY COURT PAVEMENT EDGE

DETAIL 8
NOT TO SCALE L-12

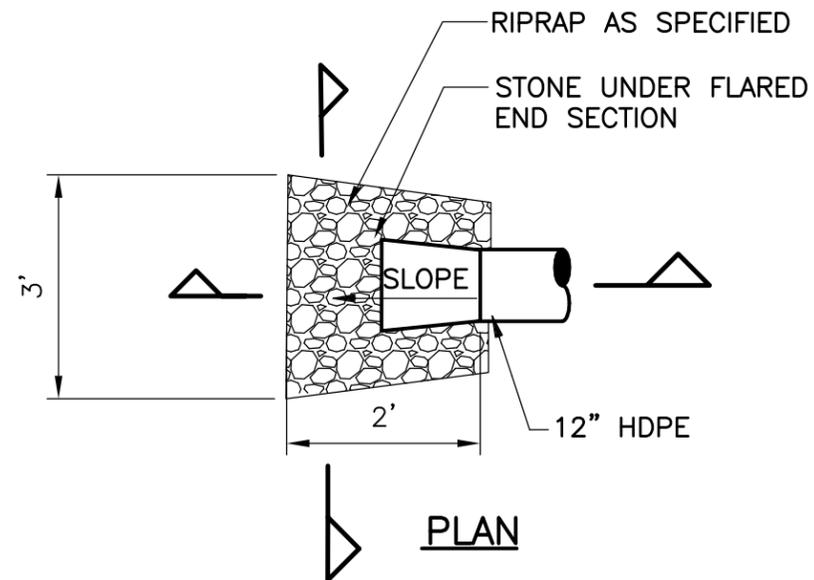
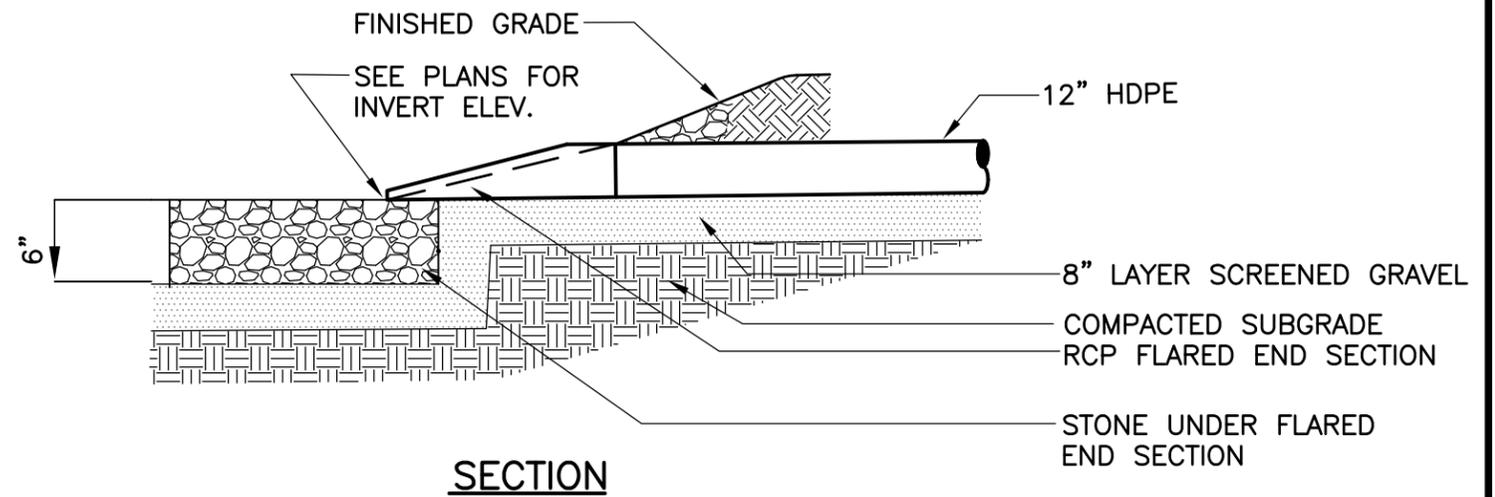
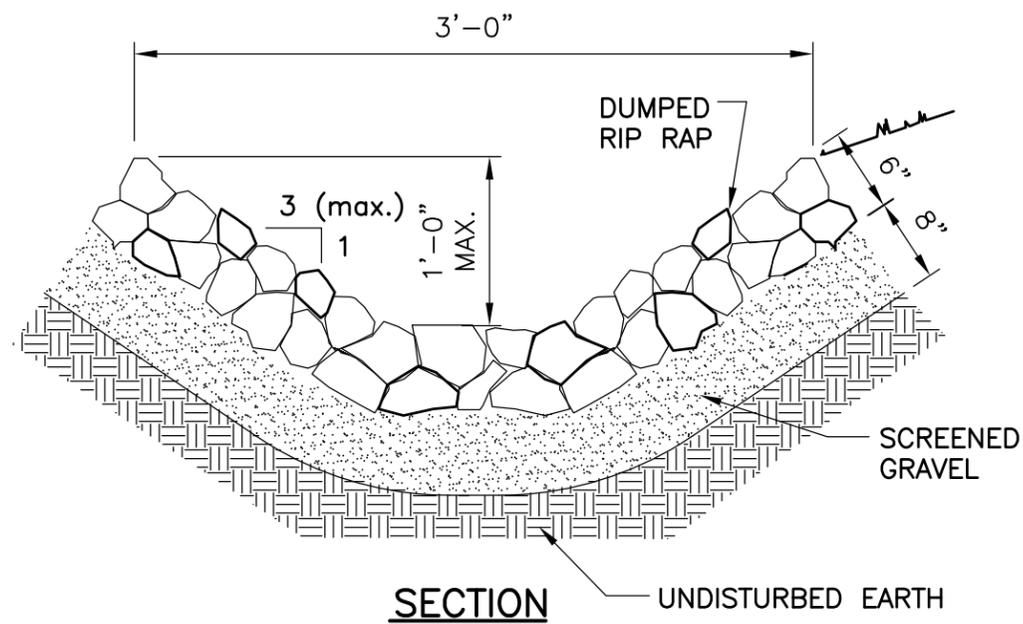
NOTE: EDGE DETAIL TYPICAL FOR ALL CONDITIONS WHERE BASKETBALL AND VOLLEYBALL COURT FENCE POST FOOTING ABUTS NATURAL SURFACING



DETAILS

DATE AUGUST 2014	SHEET NO.	LOCATION	ADDENDUM NO. 3	FIGURE NO. SK-1
	L-10/L-12			

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FLARED END SECTION & RIPRAP APRON

DETAIL

NOT TO SCALE

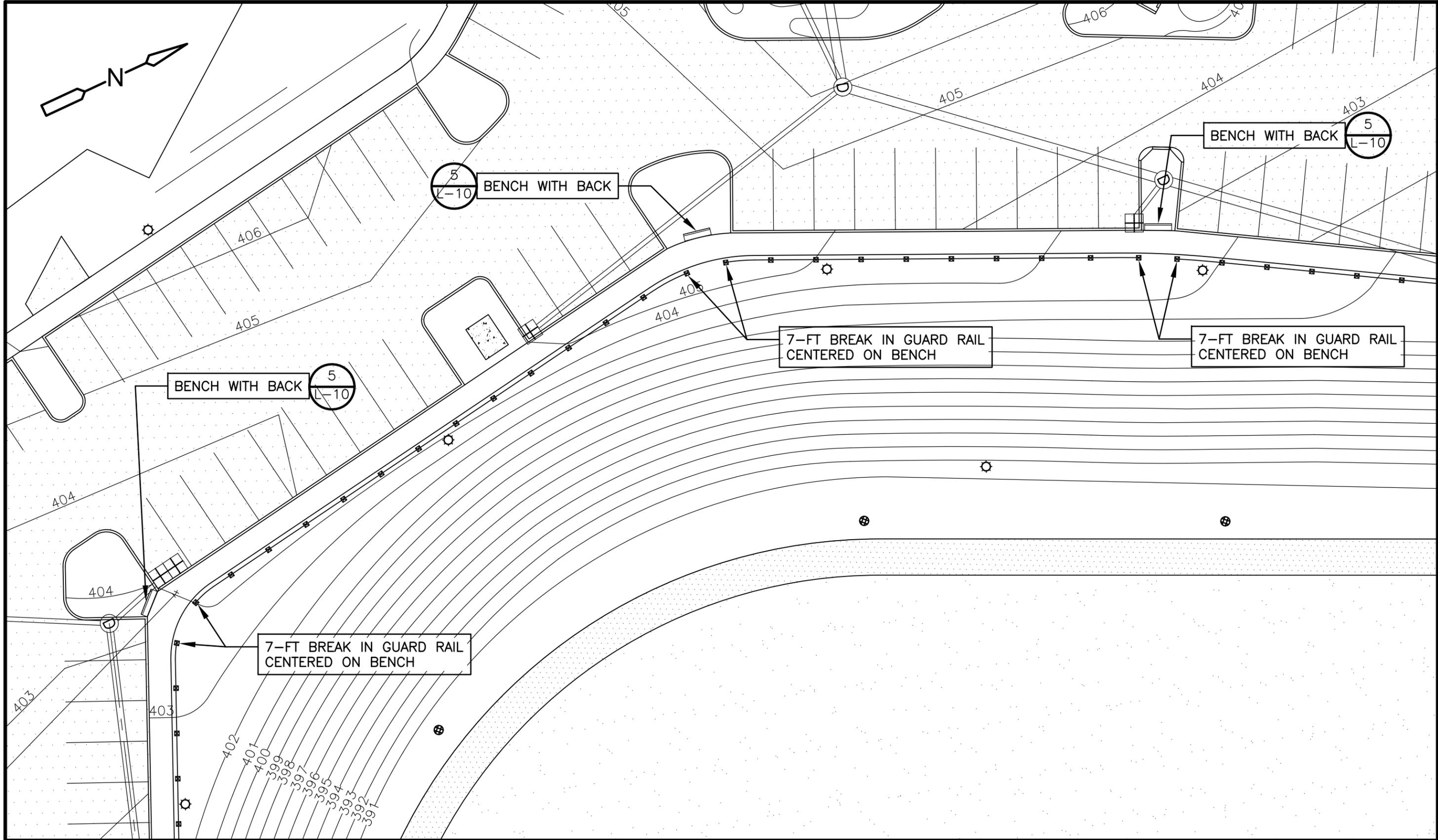
13
L-9



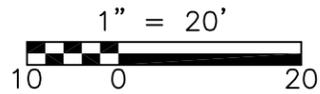
DETAIL

DATE AUGUST 2014	SHEET NO.	LOCATION	ADDENDUM NO.	FIGURE NO.
	L-9		3	SK-2

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BENCH LOCATIONS



DATE AUGUST 2014

SHEET NO.		LOCATION	ADDENDUM NO.	FIGURE NO.
L-3			3	SK-3