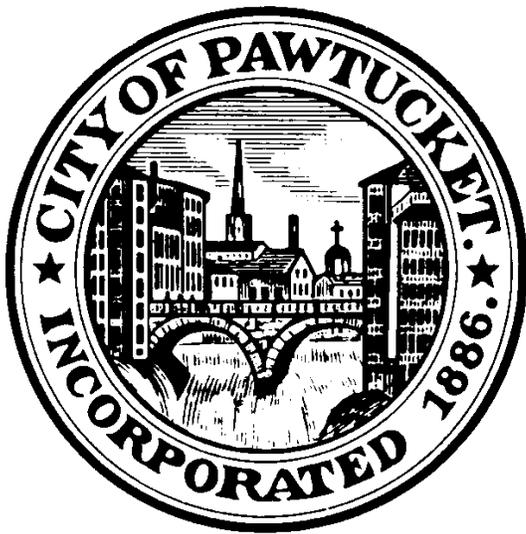


ADDENDUM NO. 1

FESTIVAL PIER BOAT RAMP AND SITE IMPROVEMENTS PROJECT PAWTUCKET, RI



PAWTUCKET, RHODE ISLAND

DEPARTMENT OF PLANNING & REDEVELOPMENT
175 MAIN STREET
PAWTUCKET, RHODE ISLAND

ADDENDUM NO. 1

Festival Pier Boat Ramp and Site Improvements
Pawtucket, RI

March 6, 2014

PREPARED BY:

Fuss & O'Neill, Inc.
317 Iron Horse Way, Suite 204
Providence, RI 02908

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1

Prospective Bidders and all concerned are hereby notified of the following amendments and interpretations to the Contract Documents of the FESTIVAL PIER BOAT RAMP AND SITE IMPROVEMENTS, PAWTUCKET, RI dated January 2014. These amendments and interpretations shall become an integral part of the Contract Documents. The number and date of this addendum must be entered into the space provided on the Bid Form.

GENERAL INFORMATION

1. Bidders are advised of the following requirements/conditions applying to the work, which are to be incorporated into prepared bids. The items listed below do not include all items of discussion at the pre-bid meeting or any other critical and binding requirements under the Contract Documents.
2. Attendance at the February 14, 2014 pre-bid meeting was mandatory. Bids will only be accepted from entities listed on the sign-in sheet from the pre-bid meeting. A copy of the sign-in sheet for the pre-bid meeting is attached as Exhibit A.

QUESTIONS AND ANSWERS

Responses to questions received by the City of Pawtucket are provided below.

1. **Question:** The RFP submission deadline is March 13, 2014 at 10:00 am. The INSTRUCTIONS TO BIDDERS state: "Bids will be opened publicly at a regularly scheduled purchasing board meeting, the date of which is the same as the RFP submission deadline provided in Section 1.0." Please advise the time and location of the bid opening.

Response: The bid opening will be at the purchasing board meeting on March 13, 2014 at 4 PM in the 3rd Floor City Council Chambers of Pawtucket City Hall, 137 Roosevelt Avenue.

2. **Question:** Several contractors forwarded over to our Conn offices the performance Specifications prepared by Fuss and O'Neill as well as Sheet # SA501. After further review, the residential quality courtesy float system you have plans for here, will offer very little longevity to the Town. Would the Agency or your office be open to accepting a more commercial Aluminum Float system, possibly at 6 Ft wide, for added stability for the users of the site? Additional the performance specification mentions a max weight of each section at 120 lbs. each, is there a reason for this, or would you be willing explore looking at a different system with a span of 72 ft. feet in length, made up of 4 sections, thereby eliminating hinge 4 hinge connections that are the weakness in any system. Would you be available next week to take my call to discuss these issues in more detail? If so, what would be a good time to call you at your office?

Response: The floating dock shall be manufactured by Accudock and meet the specifications provided in Division 2 Section 02488 - Pre-Engineered Floating Docks and Gangways. See Division 2 Section "Site Furnishings" included in Exhibit B.

3. **Question:** Concerning the turbidity curtain for this project. What depth curtain should we all be pricing? The spec is fine except for how deep the curtain should hang in the river, we will need to know that in order to properly quote the curtain.

Response: Provide depth as required for anticipated tidal fluctuations and water depths.

4. **Question:** Concerning the subdrain cleanouts for the sand filters. I was unable to find a detail, would you be able to specify what you would like to see for this item?

Response: Provide subdrain cleanout as shown on Figure 7.

5. **Question:** Can you clarify as to whether the pre-bid meeting was mandatory or not?

Response: Yes, the pre-bid meeting was mandatory as noted in Section 1 – Bid/Solicitation Information of the Project Manual.

6. **Question:** Since the specifications is requiring that the successful bidder (Contractor) hire Con-Test Analytical to perform all testing services, shouldn't the City add an Allowance item to the bid form to provide that all bidders are including an adequate amount for these testing services?

Response: An allowance of ten thousand dollars (\$10,000) for Testing Services shall be included.

7. **Question:** There are a number of references in the project manual to liquidated damages for failure to complete on time, but I have not been able to find the amount that would be assessed.

Response: Liquidated damages shall be assessed in accordance with Section 403.0 – LIQUIDATED DAMAGES, of Section 14 – Special Conditions, of the Project Manual.

8. **Question:** Abandon Pumping Well refers to “Appendix 1 of RIDEM Groundwater Quality Rules” in Sections 01205 and 02232.

SECTION 01205 – MEASUREMENT AND PAYMENT

Lump Sum Price Item 4: Abandon Pumping Well - Abandoning pumping well in accordance with Appendix 1 of RIDEM Groundwater Quality Rules provided in Exhibit B.

SECTION 02230 - SITE CLEARING

Abandon Well - Abandon well in accordance with Appendix 1 of RIDEM Groundwater Quality Rules

- a. Exhibit B - RIDEM Groundwater Quality Rules is not included in the Project Manual. Please provide.
- b. Is there any information on the construction of the well: size, depth?

- c. Drawing CP-101 also shows several monitoring wells to be abandoned. Are the monitoring wells included in this bid item?

Response: RIDEM Groundwater Quality Rules are available at <http://www.dem.ri.gov/pubs/regs/regs/water/gwqual10.pdf>. The well was installed in 1982 and operated until 2000 to remove petroleum product from the subsurface. The size and depth of the well is unknown. Removal of the monitoring wells shown on sheet CP-101 shall be included in Lump Sum Bid Item 4.

9. **Question:** Please clarify Allowance No. 1- Electric. Are the costs for work performed by the National Grid referenced in Section 01250 included in this allowance? If not, we request all National Grid costs be added to the allowance.

SECTION 01205 – MEASUREMENT AND PAYMENT

Lump Sum Price Item 3: Remove & Dispose Electrical Utilities - Coordinating the activities of National Grid related to electrical demolition. All costs for work performed by the utility company shall be paid by the Contractor.

Lump Sum Price Item 4: Abandon Pumping Well - Coordinating the activities of National Grid related to electrical demolition. All costs for work performed by the utility company shall be paid by the Contractor.

Lump Sum Price Item 12: Electric Enclosure - Coordinating with National Grid for Installation of electrical enclosure and service. All costs for work performed by the National Grid shall be paid by the Contractor.

Response: Yes, all costs for work performed by National Grid (referenced above) are included within Allowance No. 1 – Electric. See Section 01210 Allowances included in Exhibit B.

10. **Question:** Please clarify Allowance No. 2 – Water. Are the costs for work performed by the Pawtucket Water Supply Board referenced in Section 01250 included in this allowance? If not, we request all the Pawtucket Water Supply Board costs be added to the allowance.

SECTION 01205 – MEASUREMENT AND PAYMENT

Lump Sum Price Item 11: Water Enclosure - Coordinating with the Pawtucket Water Supply Board for installation of the water meter. All costs for work performed by the Pawtucket Water Supply Board shall be paid by the Contractor.

Unit Bid Item 7: 2” PE Water Service - Coordinating the activities of Pawtucket Water Supply Board related to water service at the site. All costs for work performed by the utility company shall be paid by the Contractor.

Response: Allowance No. 2 has been increased to five thousand dollars (\$5,000) to include all work performed by the Pawtucket Water Supply Board. See Section 01210 Allowances included in Exhibit B.

11. **Question:** Drawing CS-101: The CONCRETE COLOR KEYS & NOTES bid item numbers do not correspond to the bid form bid item numbers for those items.

Response: The legend shall read:

BASE BID UNIT BID ITEM 51 – STANDARD CONCRETE
ALT. UNIT BID ITEM 6 - STANDARD CONCRETE

BASE BID UNIT BID ITEM 52 – PALOMINO (5447) INTEGRAL
COLOR
ALT. UNIT BID ITEM 6 - STANDARD CONCRETE

BASE BID UNIT BID ITEM 53 – BRICK RED (160) INTEGRAL
COLOR
ALT. UNIT BID ITEM 7 – CANOPUS INTEGRAL COLOR

12. **Question:** Drawing CS-101, Item 25 Bollards: The arrow showing the location of the bollards is in a hatched area. The bollards are not visible. Please clarify the location and quantity of bollards.

Response: The quantity of bollards to be installed shall be in accordance with Unit Bid Base Bid Item 12. The location of the bollards within the area in question shall be in accordance with sheet CS-101, attached as Figure 1.

13. **Question:** Above Ground Storage Tank Removal:

- a. What is the size of the tank?
- b. What did it contain?
- c. Has the tank been inspected, is there any product remaining in the tank?

Response: The 1,000 gallon tank contained oil and water that was recovered from the pumping well. The tank has not been inspected and it is unknown if any contents remain inside. Bidders shall assume that the tank contains 1,000 gallons of oily water for bidding purposes.

14. **Question:** *Do the bid items for removal of contaminated soil include replacing removed soil with clean soil or is replacement gravel included in the Borrow and/or Gravel items?*

Response: Unit Bid Item 1 – Contaminated Soil Removal and Disposal does not include replacing material.

15. **Question:** Where is the Common Borrow used?

Response: Common borrow shall be used as fill in accordance with the Contract Documents.

16. **Question:** SECTION 01205 – MEASUREMENT AND PAYMENT - ALTERNATE UNIT BID ITEMS 1 – 5 refer to Section 02846 Site Furnishings. Section 02846 is Timber Guiderail. Site Furnishings is Section 02870.

Response: Alt. Unit Bid Items 1-5 shall reference Section 02870 Site Furnishings.

17. **Question:** Section 028790 Site Furnishings does not include a specification for the BBQ Grills.

Response: BBQ Grills shall be DuMor Model No. 21-00 or approved equal.

18. **Question:** Is the floating dock specified in Section 028790 Site Furnishings the same floating dock specified in Section 02488 Pre-Engineered Floating Docks and Gangways?

Response: The floating dock shall be manufactured by Accudock and meet the specifications provided in Division 2 Section 02488 - Pre-Engineered Floating Docks and Gangways. See Division 2 Section “Site Furnishings” included in Exhibit B.

19. **Question:** Section 028790 Site Furnishings includes the specification for the in-ground tables - UNIT BID BASE BID ITEMS - #61 Picnic Table – In-ground. There is no specification for ALTERNATE UNIT BID ITEMS - #05 Picnic Table – Surface Mount.

Response: Signature Series 46” Round Picnic Tables come in either In-ground or Surface Mount leg options.

20. **Question:** What is the difference between Lump Sum Price Item 14 - Project Signage and Unit Bid Item 63 - Signage? Both reference 02891 - Site Signage. The Bid form shows Unit Bid Item 63 - Signage as 33 LF. Section 01205 shows “Payment: Signage will be paid per square foot of sign installed, as shown on the Contract Drawings or as directed and approved in the field.”

Response: Lump Sum Price Item 14 – Project Signage includes only the installation of the timber posts detailed on sheet CD-507 and listed in Part 2.3 of Section 02891. Unit Bid Item 63 – Signage includes all other site and traffic signage listed in Part 2.2 of Section 02891.

21. **Question:** What is the datum for the elevations?

The Festival Pier Construction Plans reference an assumed datum. The conversion of the assumed datum to NAD 1988 is -1.32 feet. See Exhibit C for Survey Plans.

22. **Question:** Drawing SA-501 show's a water elevation of 0.0'. How does this relate to the tidal levels, MEAN SEA LEVEL, MHWL, MLWL? What are the MHWL, MLWL elevations at the boat ramp?

Response: Using the Festival Pier Construction Plans assumed datum
MHWL = 4 feet
MLWL = -1 feet

23. **Question:** The existing grade lines on Drawing CG-101 are not legible enough to be useful and they do not agree with the existing grade lines on Drawing EXISITNG CONDITIONS PLAN. Drawing CG-101 shows two catch basins rim EL. 8.77 and 8.90. EXISITNG CONDITIONS PLAN shows three catch basins rim at EL. 10.29, 10.15 and 10.29. Please clarify the elevations of the existing grades, quantity of catch basins and provide a drawing showing the existing grade lines which corresponds to Drawing CG-101.

Response: The EXISTING CONDITIONS PLAN included within the Project Manual uses Mean Low Water for a datum. It was included within the manual for the boring log data. The Festival Pier Construction Plans use an assumed datum. Existing conditions survey plans prepared by Commonwealth Land Surveyors are included in Exhibit C. There are two existing catch basins located within the limit of disturbance as shown on CG-101.

24. **Question:** Where is the proposed location for the existing monument? It's now shown on Drawing CS-101. Is there a detail for resetting the monument?

Response: The proposed monument shall be located in front of the proposed flag pole as shown on Figure 1. Monument setting shall be replaced in-kind.

25. **Question:** Drawing SA-502 specifies HP Concrete for the precast ramp sections. The strength of the concrete is not specified.

Response: Precast ramp sections shall have a compressive strength of 5,000 psi in accordance with the referenced RIDOT Standard Specifications.

26. **Question:** Is Drivable Grass an approved alternative to GrassPave2?

Response: No.

27. **Question:** Sand Filters; Section 01205 refers to bioretention soil and states topsoil and seed is excluded. Bioretention soil is not indicated on the drawings. 6" of topsoil and seed is shown over the sand filter.

Response: Bioretention soil shall be installed within the tree filters. Lump Sum Price Item 15 – Stormwater Management System includes the installation of concrete sand for the sand filters. Topsoil and seed are included in Unit Bid Items 64 and 65, respectively.

28. **Question:** Sand Filter No. 1

- a. There is a light pole base in the sand filter. The bottom of gravel is 7 ft down from finish grade. This will penetrate the impermeable liner. Please provide a detail of the impermeable liner at the light pole base.
- b. There is a Timber Guardrail around the perimeter of the sand filter. The bottom of the posts are 18" down from finish grade. These will penetrate the impermeable liner. Please provide a detail of the impermeable liner at the posts.

Response: Provide a water-tight seal with impermeable liner at point of penetration of light pole base as shown on Figure 6. The guardrail is not located within the filter bed of the sand filter. There will be no penetrations of the liner.

29. **Question:** Sand Filter No. 2; trees & shrubs are planted in the sand filter.

Response: Shrubs shall be located above the impermeable liner. Trees have been relocated outside the limit of the filter bed. Inkberry shrubs have been removed from the filter bed. See [Figure 5](#) and Bid Form included in [Exhibit B](#).

30. **Question:** Drawing CD-504 - Sand Filter No. 3 & 4; Please clarify the limits of the sand filters. Is the entire island the sand filter or only a portion? The edges of the impermeable liner are not defined.

Response: Extent of filter bed is provided on each detail by elevation at proposed surface grade.

31. **Question:** Drawing CG-101 calls for a 20" x 8" WYE to connect the cast iron drain pipes. An 8" 45 bend will be needed to make this connection. There is no bid item for iron fittings. The pipe lengths are short. The cost of the fittings is significant relative to the cost of the pipe. Please add a bid item for the fittings.

Response: Fittings shall be included in Unit Bid Item 23 – 8" Iron Pipe. A callout for an 8" 45 degree elbow has been added to Sheet CG-101, attached as [Figure 2](#).

32. **Question:** From our guardrail supplier: There is a potential problem with the radius points called out for the wood guardrail. Since the rails need to slide through the posts, as called out in the details, you would not be able to achieve the required curvature called out in the plans. You can shrink the post spacing down in the larger curves, but the tight radiuses would still pose a problem. Please advise.

Response: Post spacing may be reduced to 6 feet around the tighter curves. Post shall be evenly spaced (at 10 feet max) for straight runs. Sections of guiderail located adjacent to Sand Filter 1, Sand Filter 2, and to the east of Sand Filter 4 have been removed. See Figure 1 and Bid Form included in Exhibit B.

33. **Question:** Regarding the timber guardrail. Written spec calls for 8x8x64" post and Drawing calls out 12 x12 x 60" post. Please clarify.

Response: 12x12x60" posts shall be used for timber guiderail.

34. **Question:** Please clarify how the Add/Deduct Unit Bid Item will be used.

- a. The Boat Ramp and Concrete Retaining Wall are Lump sum items. How can there be a deduct?
- b. Are the Earth Excavation Add/Deduct Unit Bid Items for excavation of unsuitable? Where is the cost for replacement gravel?
- c. Are the Bedrock Excavation Add/Deduct Unit Bid Items an add if rock is encountered? Where is the cost for replacement gravel?

Add/Deduct Unit Bid Item 1 - Boat Ramp Bedrock Excavation

Add/Deduct Unit Bid Item 2 - Boat Ramp Earth Excavation

Add/Deduct Unit Bid Item 3 - Concrete Retaining Wall Bedrock Excavation

Add/Deduct Unit Bid Item 4 - Concrete Retaining Wall Earth Excavation

Response: Base assumed quantities of material to be removed as part of the Lump Sum Bid Items are included in the ADD/DEDUCT UNIT BID ITEMS tables. Variance from these quantities may result in an Add or Deduct from the Lump Sum Bid Price. Earth Excavation includes both suitable and unsuitable material. If suitable backfill material is not available on-site, the cost for backfill material will be carried under the Common Borrow Unit Price.

35. **Question:** How many lights are there? Print cd-509 shows 21 lights (listed on circuit layout). Print cu-101 shows 19 lights. Spec's call for 19 lights.

Response: There are 19 lights. See attached Figure 3, Figure 8, and Bid Form included in Exhibit B.

36. **Question:** What size conduit to each pole? Print cd-509 shows conduit coming out of panel and time clock as 2" conduit going to all poles with (6) #8 and (1) #8 ground. Then it shows it as individual runs of 1" conduit (between light pole 7 and light pole 10). spec's call for 1,667.00 feet of 2" and only 22' of 1". I can't see how you can fit (2) 2" in each light pole.

Response: See Figure 3, Figure 8, and Bid Form included in Exhibit B.

37. **Question:** What size wire are we running to GFI's? Wire size - print cd-509 show (6) #8's and (1) #8 ground in 2" conduit going to light poles. Then it shows (2) #8 and (1) 8 ground in the 1" conduit going to light poles (between pole 7 and pole 10 on print). If your running (3) # 8 to each run of lights you will need (9) #8 just for light poles, then what ever size you want for GFI's.

Response: See Figure 3, Figure 8, and Bid Form included in Exhibit B.

38. **Question:** What length and size GFI's are required? Spec sheet is calling for 220' of #2 (for service), 14,960' of #8 (for poles), 17' of #10 (for hot box heater). Not sure what can be done with only 17' of wire. If you consider you need (3) runs of wnat ever sizes and length for any circuit. Doesn't show any wire size for gfi's.

Response: See Figure 3, Figure 8, and Bid Form included in Exhibit B.

39. **Question:** We are searching prices for the "Canopus Blue Alternate" concrete pigmentation relative to 924 SY of sidewalk concrete. We have been able to source the other required pigments from the Davis Group and their local distribution. We have been unable to find a stock source for the "Canopus Blue". Can you shed any light as to what manufacturer's color spec this is? Might it be a "custom pigment blend" available as "made to order" only?

We are a material supplier of concrete working to price ready-mix concrete to the respective bidders on this project. Any help that you can provide in clarifying this source would be greatly appreciated..

Response: Refer to Scofield SOLACHROME™ Integral Coloring Treatment for High-SRI Concrete for more information.

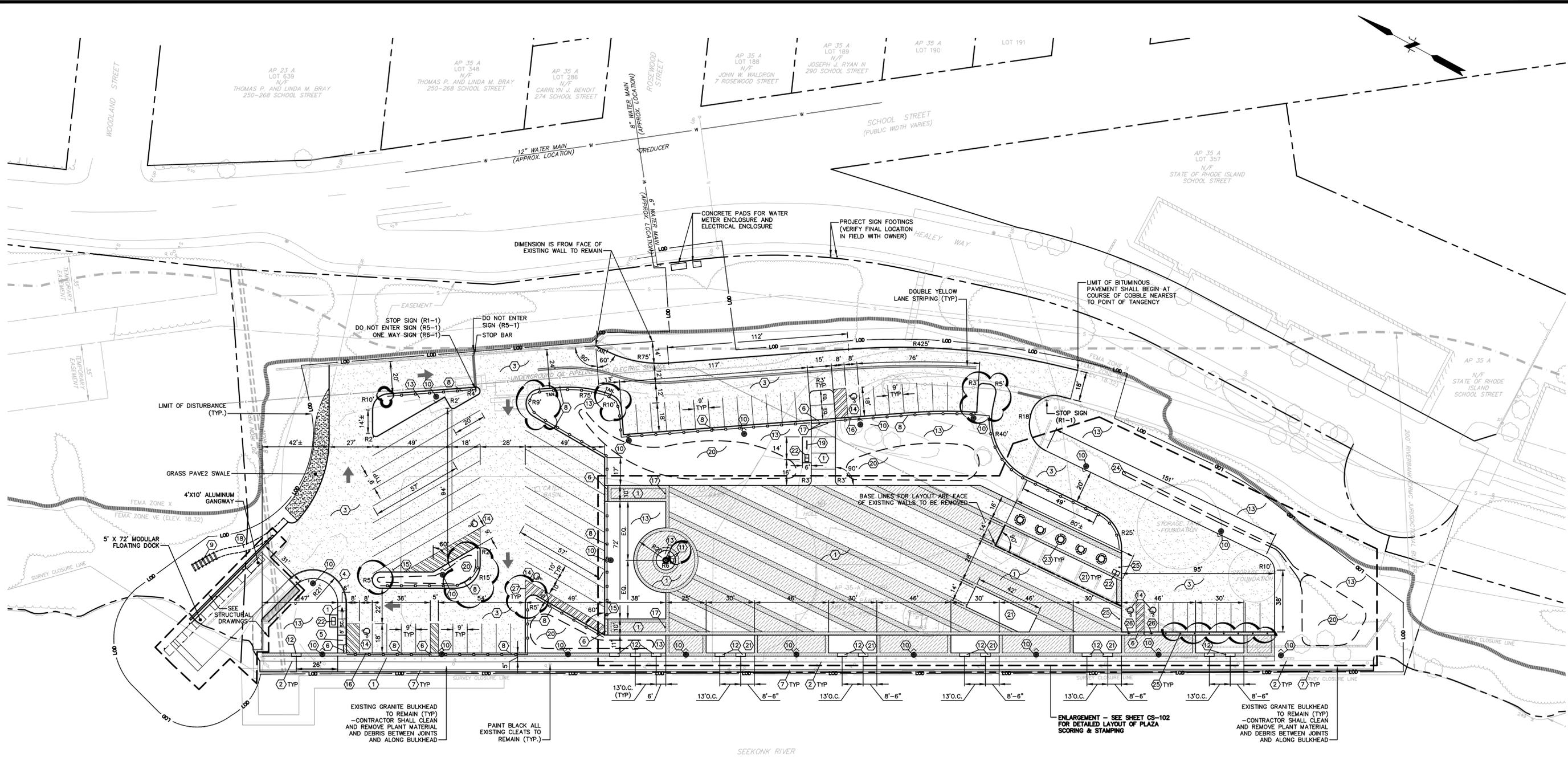
ISSUED BY: _____ Date: 3/6/2014

Engineer's Signature

END OF ADDENDUM NO. 1

Figures

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 Plotter: NONE CTB File: FO.STB
 MS VIEW: LAYER STATE:



CONCRETE COLOR KEY & NOTES

	BASE BID UNIT BID ITEM 49 STANDARD CONCRETE ALT. UNIT BID ITEM 3 STANDARD CONCRETE
	BASE BID UNIT BID ITEM 50 PALOMINO (5447) INTEGRAL COLOR ALT. UNIT BID ITEM 3 STANDARD CONCRETE
	BASE BID UNIT BID ITEM 51 BRICK RED (160) INTEGRAL COLOR ALT. UNIT BID ITEM 4 CANOPUS INTEGRAL COLOR

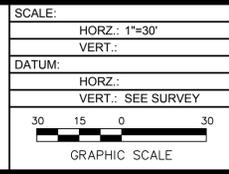
WORK ITEM LEGEND

1	CONCRETE WALK PAVEMENT	14	HANDICAPPED PAVEMENT MARKINGS
2	PINNED CONCRETE PAVEMENT TO BULKHEAD	15	HANDICAPPED PARKING SIGN
3	BITUMINOUS CONCRETE PAVEMENT (STD. DUTY)	16	VAN ACCESSIBLE HANDICAPPED PARKING SIGN
4	GRANITE CURB	17	REMOVABLE BOLLARD
5	ACCESSIBLE CURB/RAMP	18	STONE SCREENINGS WALKWAY
6	DETECTABLE WARNING SURFACE	19	BIKE RACK
7	TIMBER BARRIER AT BULKHEAD	20	SAND FILTERS
8	TIMBER GUIDERAIL	21	TREE FILTER
9	TIMBER STEPS TO KAYAK LAUNCH	22	TRASH AND RECYCLING RECEPTACLES
10	LIGHT POLE & FOOTING	23	PICNIC TABLE
11	FLAG POLE, MONUMENT, & FOOTING	24	DRY SWALE
12	BENCH	25	BOLLARD
13	LANDSCAPE CAP	26	BOLLARD WITH HANDICAPPED PARKING SIGN
		27	HANDICAPPED PAVEMENT MARKINGS

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
8.	3/6/2014	REVISED PER ADDENDUM NO. 1	AGG	SMM
7.	1/31/2014	ISSUED FOR BID	AGG/JWM	SMM
6.	1/13/2014	PERMIT MODIFICATIONS	AGG/JWM	SMM
5.	11/28/2012	REVISED PER RIDEM COMMENTS	LCB	SMM
4.	11/21/2012	ISSUED FOR CITY REVIEW	JO/LCB	SMM
3.	11/15/2012	REVISED PER RIDEM COMMENTS	LCB	SMM
2.	9/13/2012	ISSUED FOR PERMITTING	JO/LCB	TT/SMM
1.	8/17/2012	ISSUED FOR CITY REVIEW	JO/LCB	TT/SMM

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FUSS & O'NEILL

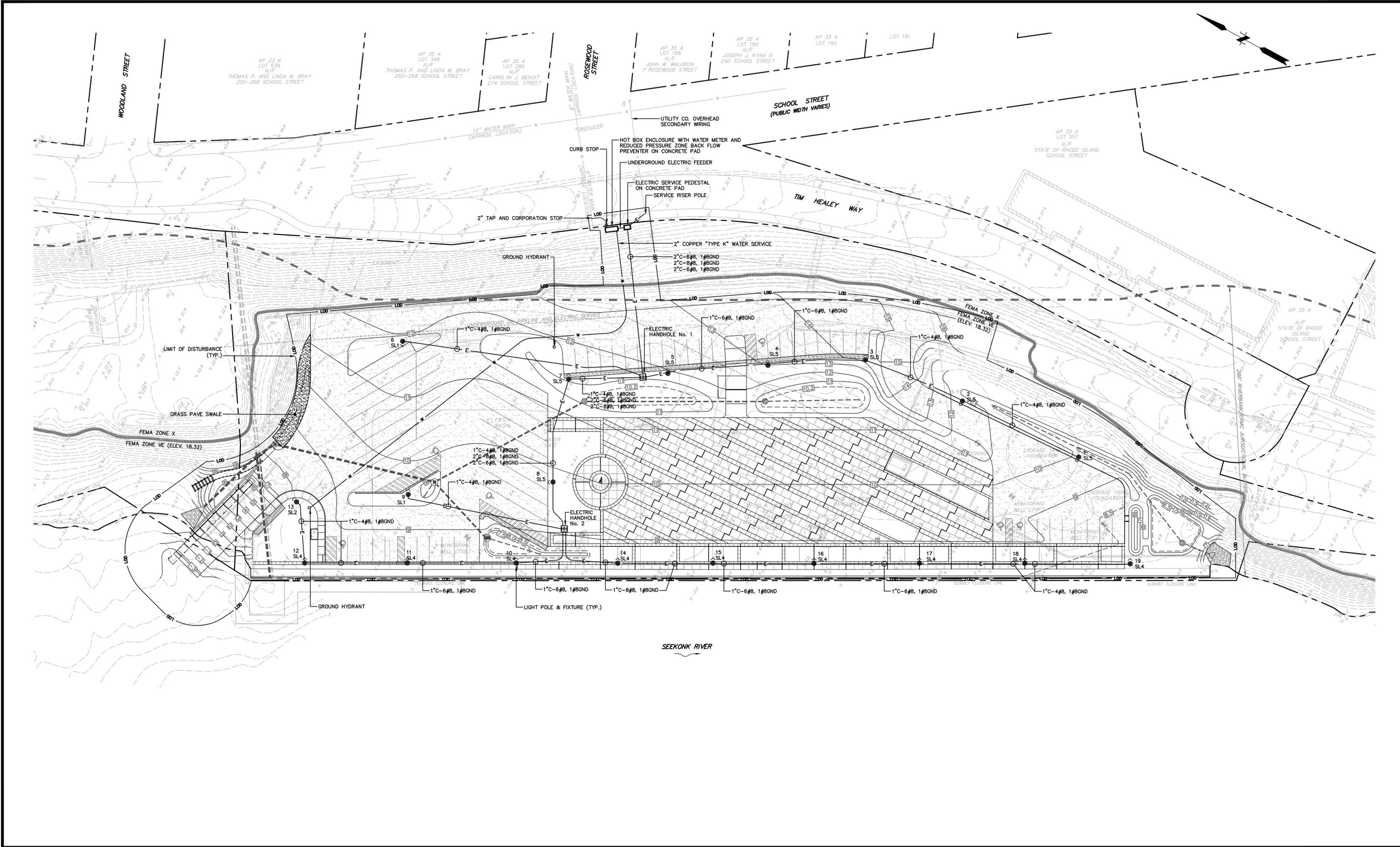
317 IRON HORSE WAY, SUITE 204
PROVIDENCE, RI 02908
401.861.3070
www.fando.com

CITY OF PAWTUCKET
FESTIVAL PIER
BOAT RAMP & SITE IMPROVEMENTS
SITE LAYOUT & MATERIALS PLAN
AP 35, LOT 361 & AP 23A, LOT 673
SCHOOL STREET PAWTUCKET, RHODE ISLAND

PROJ. No.: 20090081.B11
DATE: SEPTEMBER 2012

CS-101

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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SEAL

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 HORIZ.: 1"=30'
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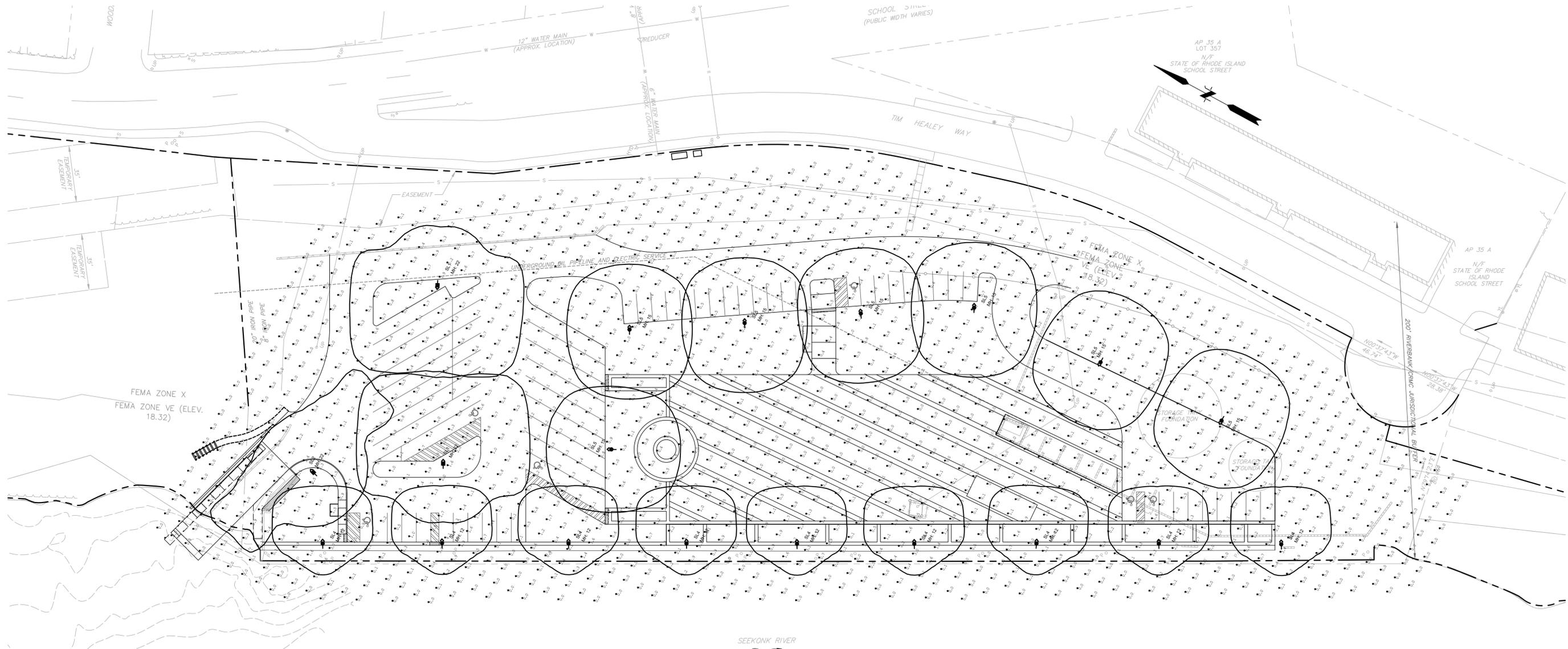
f **FUSS & O'NEILL**
 317 IRON HORSE WAY, SUITE 204
 PROVIDENCE, RI 02908
 401.861.3070
 www.fandco.com

CITY OF PAWTUCKET
 FESTIVAL PIER
 BOAT RAMP & SITE IMPROVEMENTS
 UTILITY PLAN
 AP 35, LOT 361 & AP 23A, LOT 673
 SCHOOL STREET PAWTUCKET, RHODE ISLAND

PROJ. No.: 20090081.B11
 DATE: SEPTEMBER 2012

CU-101

File Path: J:\DWG\2009\08\1B11\Civil\Plan\2009081B11_LUM01.dwg Layout: CU-102 Plotted: Thu, March 06, 2014 - 9:49 AM User: ANDREW GLINES
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Luminaire Schedule							
Project: Festival Pier							
Symbol	Qty	Label	Description	Arrangement	Lum. Lumens	LLF	Filename
2	1	SL1	Storco ELA16-1.4-105LA-530-NW @ 22'	SINGLE	8387	0.850	ELA16-1.05LA-530-NW.RIES
1	1	SL2	Storco ELA16-1.2-105LA-530-NW @ 22'	SINGLE	8302	0.850	ELA16-2.105LA-530-NW.RIES
9	1	SL4	Lumec D05-60W30LED4K-ES-LE4F @ 12'	SINGLE	3865	0.850	D05-60W30LED4K-ES-LE4F
7	1	SL5	Lumec D05-60W30LED4K-ES-LE5F @ 15'	SINGLE	3399	0.850	D05-60W30LED4K-ES-LE5F

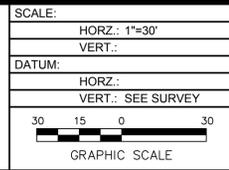
Calculation Summary							
Project: Festival Pier							
Label	Avg	Max	Min	Avg/Min	Max/Min	# Fts	Units
all	0.41	4.7	0.0	N.A.	N.A.	1702	Fc

NOTE
PLAN PROVIDED FOR INFORMATION ONLY. CONTRACTOR SHALL PROVIDE A POINT TO POINT CALCULATION AS PART OF THE LIGHT FIXTURE SUBMITTAL.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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SEAL

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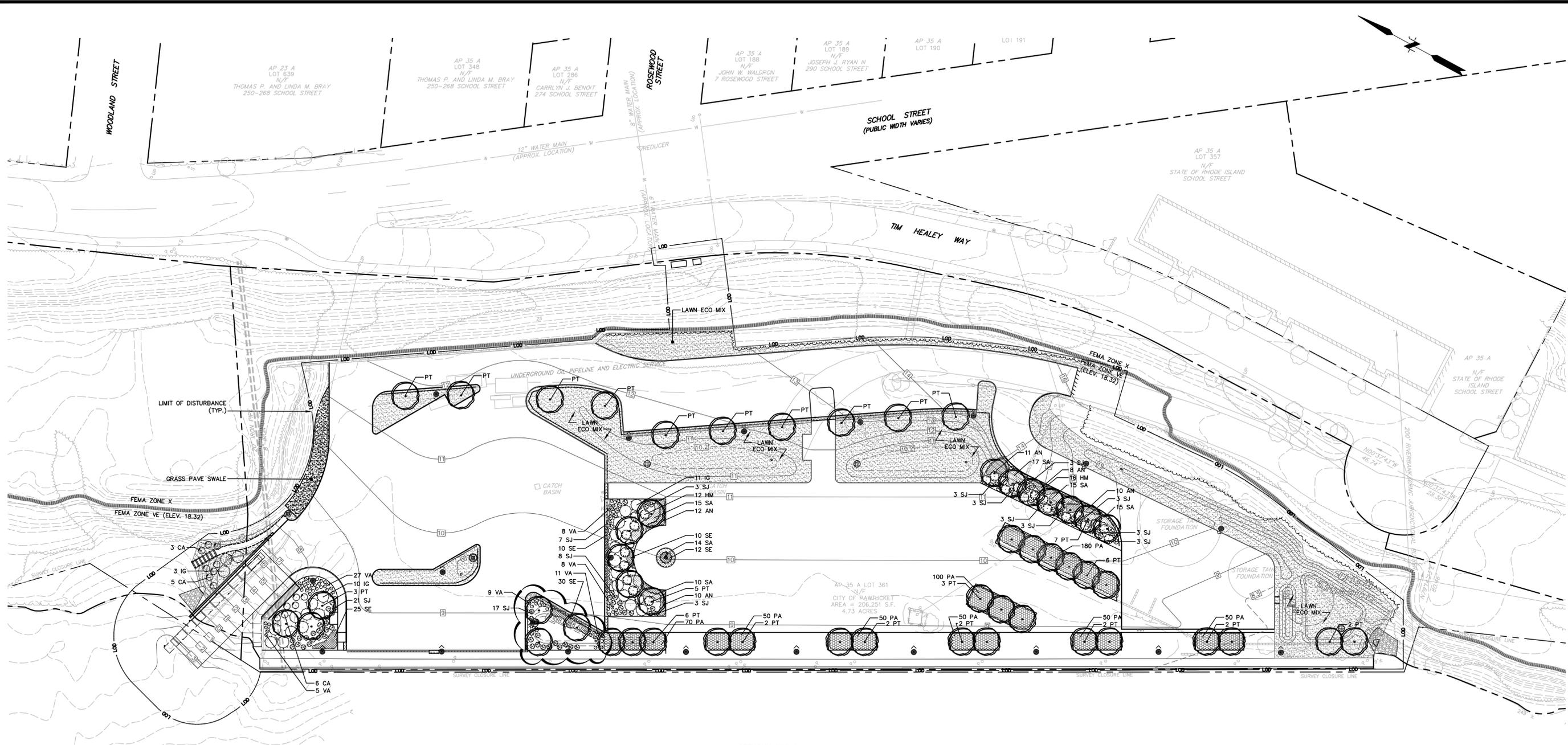


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CITY OF PAWTUCKET
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PROJ. No.: 20090081.B11
DATE: SEPTEMBER 2012
CU-102

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 MS VIEW: LAYER STATE: PLOTTER: NONE CTB File: FO.STB



PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
TREES					
PT	52	POPULUS TREMULOIDES	QUAKING ASPEN	3" - 3-1/2" CAL.	B&B
SHRUBS					
VA	68	VACCINIUM ANGUSTIFOLIUM	LOWBUSH BLUEBERRY	3 GAL.	CONT.
HM	28	HYDRANGEA MACROPHYLLA 'ALL SUMMER BEAUTY'	BIG LEAF HYDRANGEA	3 GAL.	CONT.
SJ	83	SPIREA JAPONICA 'NEON FLASH'	SPIREA	3 GAL.	CONT.
IG	24	ILEX GLABRA 'DENS'	INKBERRY	5 GAL.	CONT.
CA	14	CLETHRA ALNIFOLIA 'RUBY SPICE'	SUMMERSWEET	3 GAL.	CONT.
PERENNIALS, GRASSES & GROUNDCOVERS					
AN	51	ASTER NOVAE-ANGLOE 'PURPLE DOME'	ASTER	1 GAL.	24" O.C.
SE	87	SALVIA 'EVELINE'	MEADOW SAGE	1 GAL.	18" O.C.
SA	86	SEDUM 'AUTUMN FIRE'	SEDUM	1 GAL.	24" O.C.
PA	600	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	1 GAL.	24" O.C.

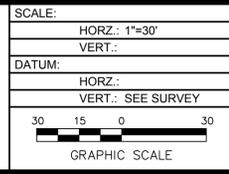
LANDSCAPE NOTES

- ALL REMAINING LAWN / LANDSCAPED AREAS NOT NOTED ON THIS PLAN TO RECEIVE PLANTINGS OR SPECIFIC SEED MIX SHALL BE SEEDED WITH LAWN ECO MIX.
- IF A DISCREPANCY EXISTS BETWEEN PLANT QUANTITIES AS SHOWN ON THE DRAWING AND IN THE PLANT LIST, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING THE LARGER QUANTITY.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
8.	3/6/2014	REVISED PER ADDENDUM NO. 1	AGG	SMM
7.	1/31/2014	ISSUED FOR BID	AGG/JWM	SMM
6.	1/13/2014	PERMIT MODIFICATIONS	AGG/JWM	SMM
5.	11/28/2012	REVISED PER RIDEM COMMENTS	LCB	SMM
4.	11/21/2012	ISSUED FOR CITY REVIEW	JO/LCB	SMM
3.	11/15/2012	REVISED PER RIDEM COMMENTS	LCB	SMM
2.	9/13/2012	ISSUED FOR PERMITTING	JO/LCB	TT/SMM
1.	8/17/2012	ISSUED FOR CITY REVIEW	JO/LCB	TT/SMM

SEAL

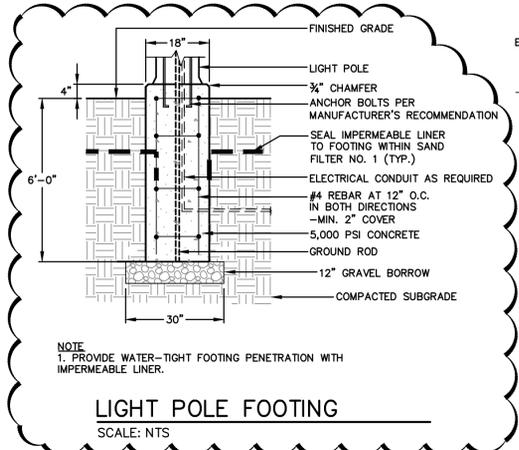
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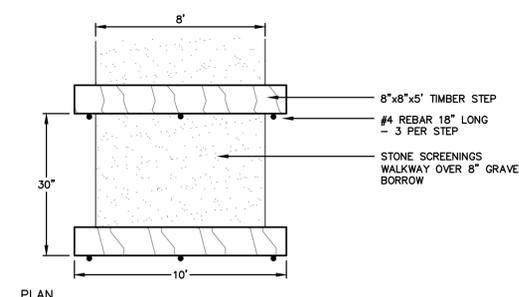
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CITY OF PAWTUCKET
 FESTIVAL PIER
 BOAT RAMP & SITE IMPROVEMENTS
 LANDSCAPE PLAN
 AP 35, LOT 361 & AP 23A, LOT 673
 SCHOOL STREET PAWTUCKET, RHODE ISLAND

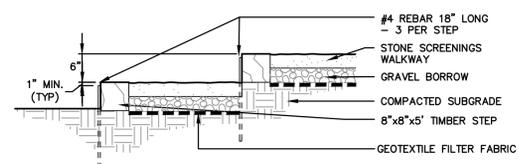
PROJ. No.: 20090081B11
 DATE: SEPTEMBER 2012
LP-101



LIGHT POLE FOOTING
SCALE: N.T.S.

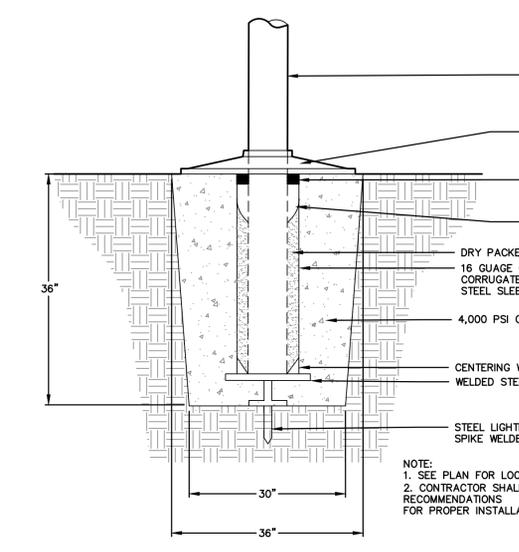


PLAN

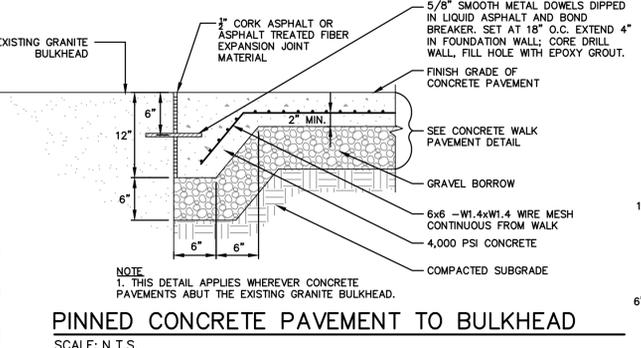


SECTION

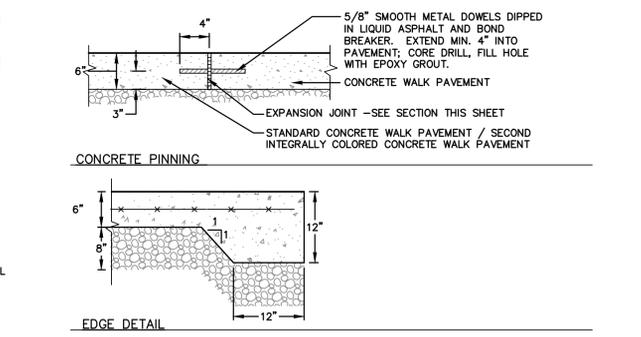
TIMBER STEPS TO KAYAK LAUNCH
SCALE: N.T.S.



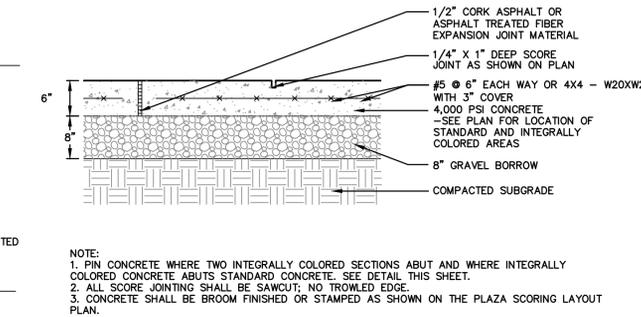
FLAG POLE FOOTING
SCALE: N.T.S.



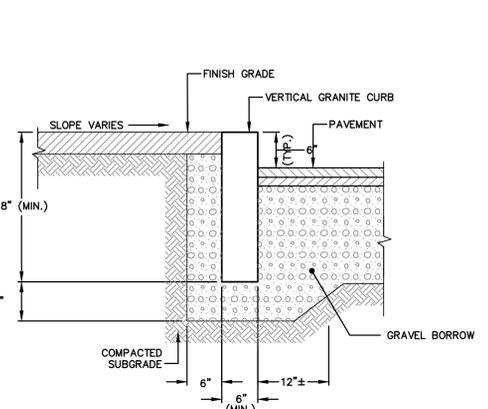
PINNED CONCRETE PAVEMENT TO BULKHEAD
SCALE: N.T.S.



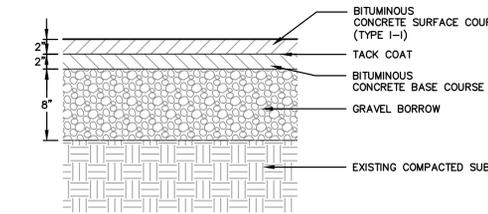
EDGE DETAIL



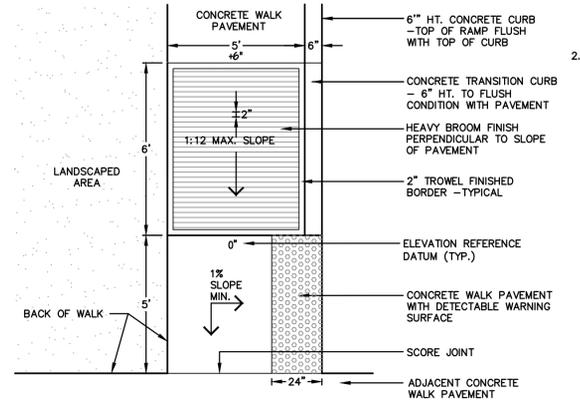
CONCRETE WALK PAVEMENT
SCALE: N.T.S.



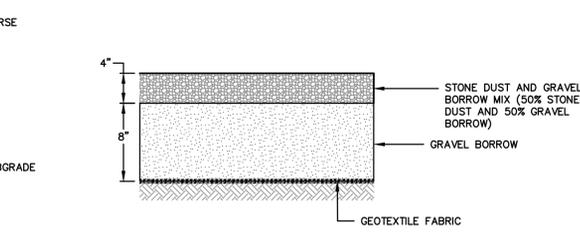
VERTICAL GRANITE CURB
SCALE: N.T.S.



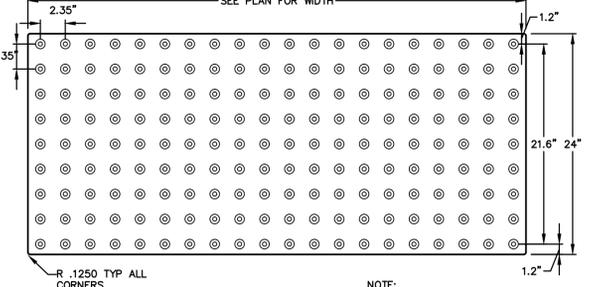
BITUMINOUS CONCRETE PAVEMENT
SCALE: N.T.S.



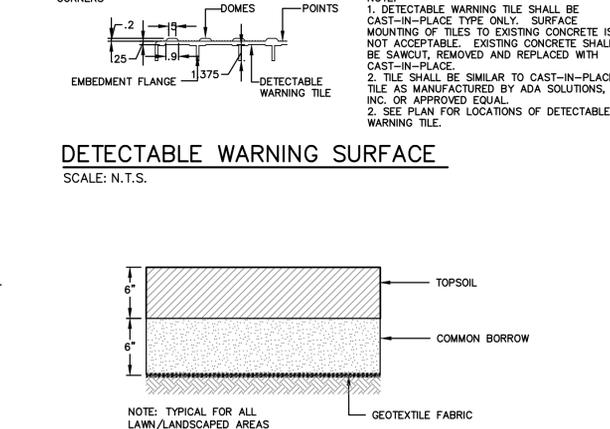
ACCESSIBLE CURB/RAMP
SCALE: N.T.S.



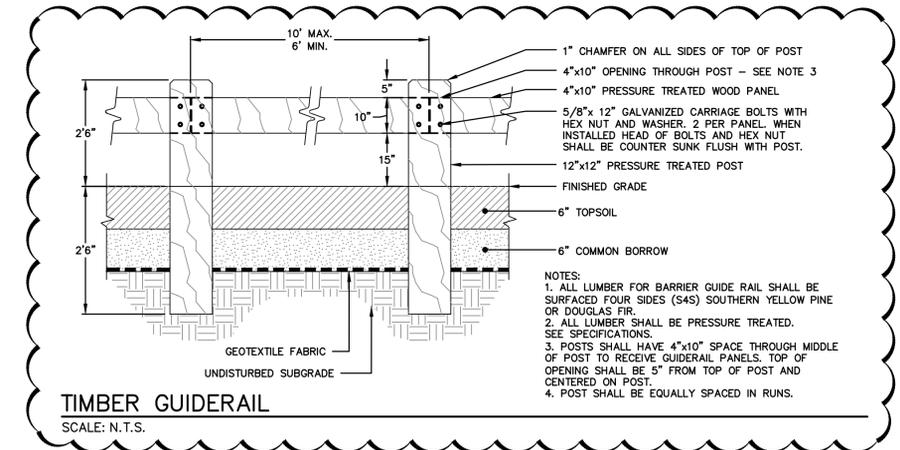
STONE SCREENINGS WALKWAY
SCALE: N.T.S.



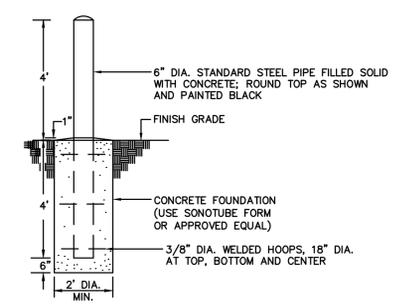
DETECTABLE WARNING SURFACE
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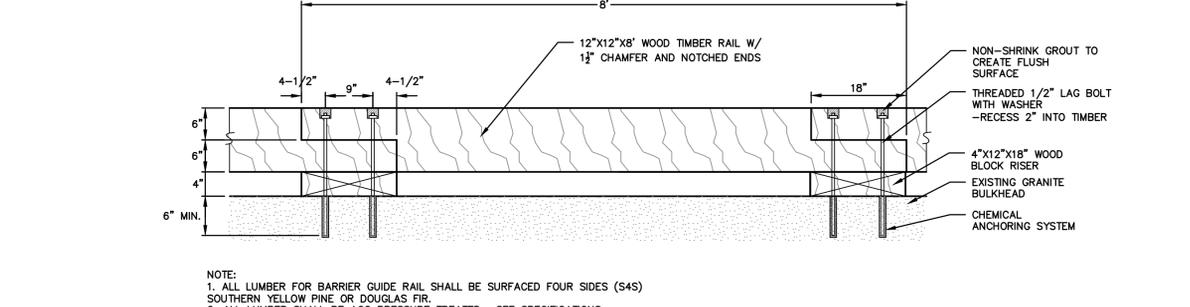
LANDSCAPE CAP
SCALE: N.T.S.



TIMBER GUIDERAIL
SCALE: N.T.S.



BOLLARD
SCALE: N.T.S.

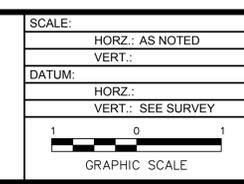


TIMBER BARRIER AT BULKHEAD
SCALE: N.T.S.

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1.	8/17/2012	ISSUED FOR CITY REVIEW	JO/LCB	TT/SMM

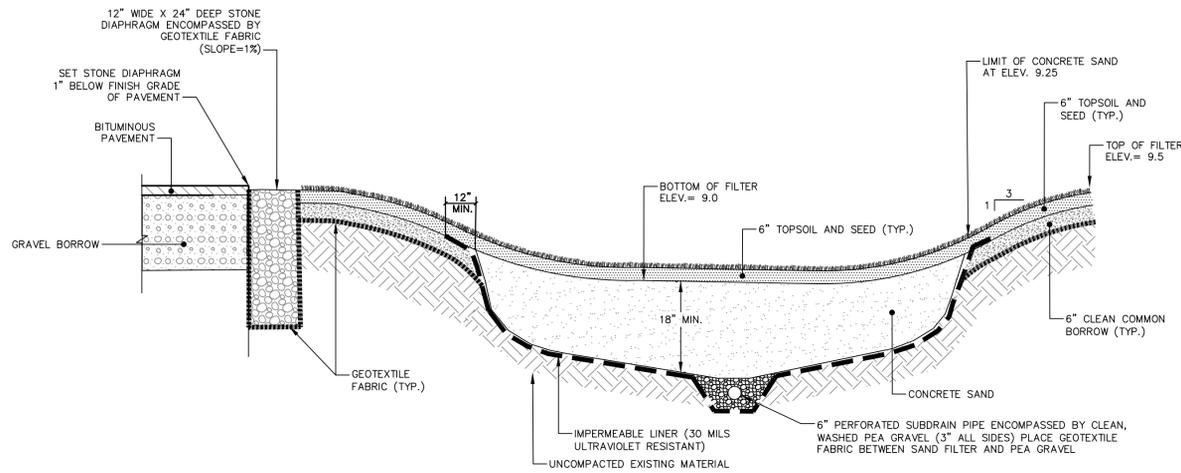
SEAL	SEAL



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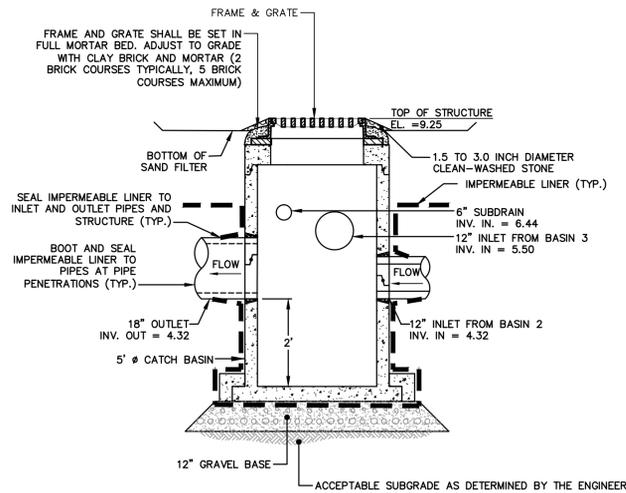
CITY OF PAWTUCKET
FESTIVAL PIER
BOAT RAMP & SITE IMPROVEMENTS
DETAILS
AP 35, LOT 361 & AP 23A, LOT 673
SCHOOL STREET PAWTUCKET, RHODE ISLAND

PROJ. No.: 20090081.B11
DATE: SEPTEMBER 2012
CD-501



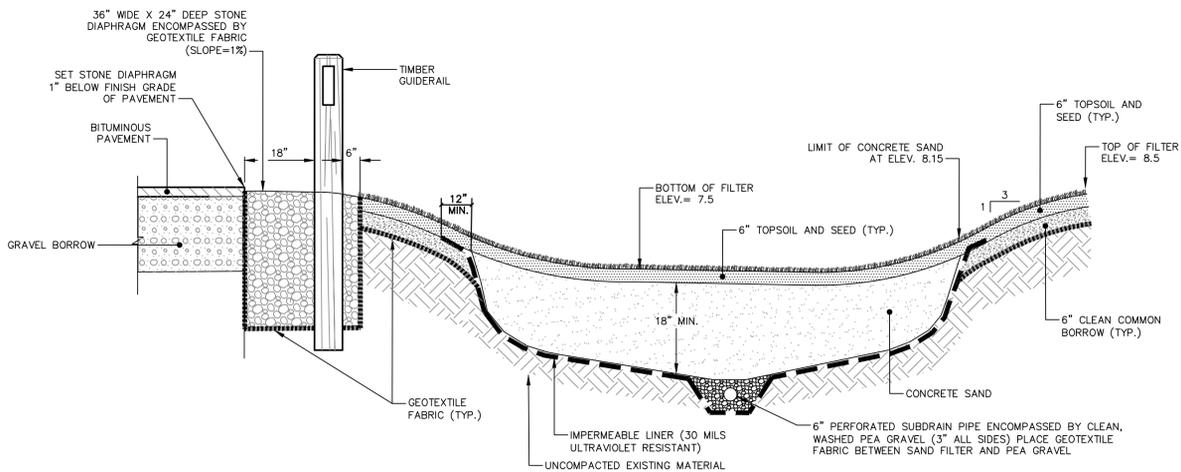
NOTE:
1. TOPSOIL WITHIN FILTER SHALL CONSIST OF LOAMY SAND WITH 20% BY VOLUME OF WELL-AGED, WELL-AERATED, LEAF COMPOST (OR APPROVED EQUIVALENT).

SAND FILTER 1
SCALE: N.T.S.



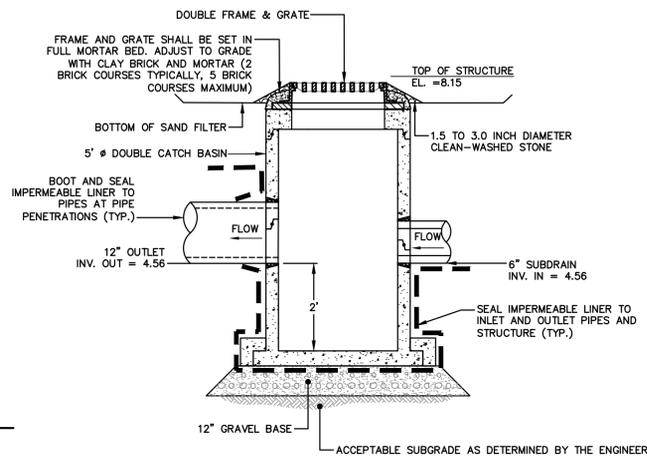
NOTES:
1. ENCOMPASS STRUCTURE WITH IMPERMEABLE LINER.
2. PROVIDE WATER-TIGHT PIPE PENETRATIONS WITH IMPERMEABLE LINER.

SAND FILTER 1 OVERFLOW STRUCTURE
SCALE: N.T.S.



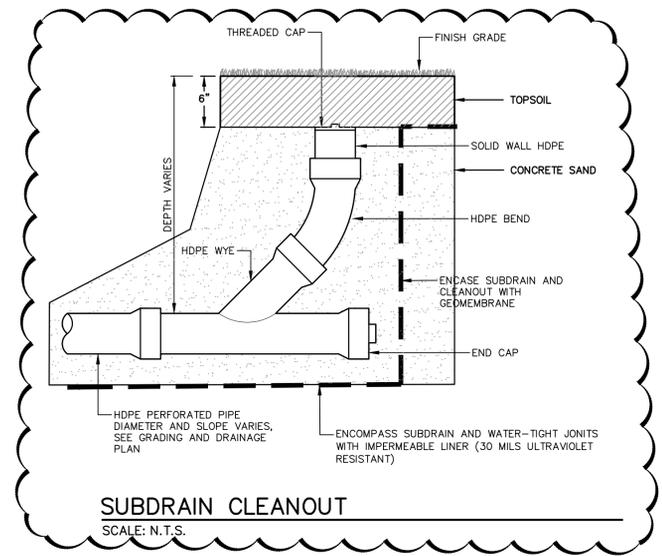
NOTE:
1. TOPSOIL WITHIN FILTER SHALL CONSIST OF LOAMY SAND WITH 20% BY VOLUME OF WELL-AGED, WELL-AERATED, LEAF COMPOST (OR APPROVED EQUIVALENT).

SAND FILTER 2
SCALE: N.T.S.



NOTES:
1. ENCOMPASS STRUCTURE WITH IMPERMEABLE LINER.
2. PROVIDE WATER-TIGHT PIPE PENETRATIONS WITH IMPERMEABLE LINER.

SAND FILTER 2 OVERFLOW STRUCTURE
SCALE: N.T.S.



SUBDRAIN CLEANOUT
SCALE: N.T.S.

NOTES:
1. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS," LATEST EDITION; AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.

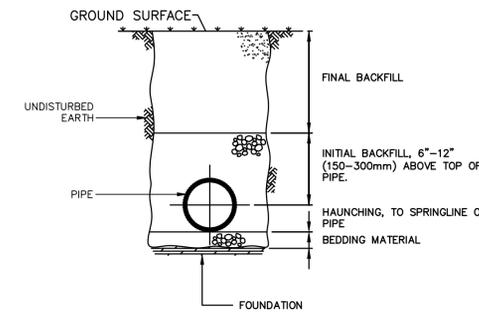
2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100-600mm) AND 42"-48" (1050-1200mm) CORRUGATED POLYETHYLENE PIPE (CPEP); 6" (150mm) FOR 30"-36" (750-900mm) CPEP.

3. HAUNCHING AND INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

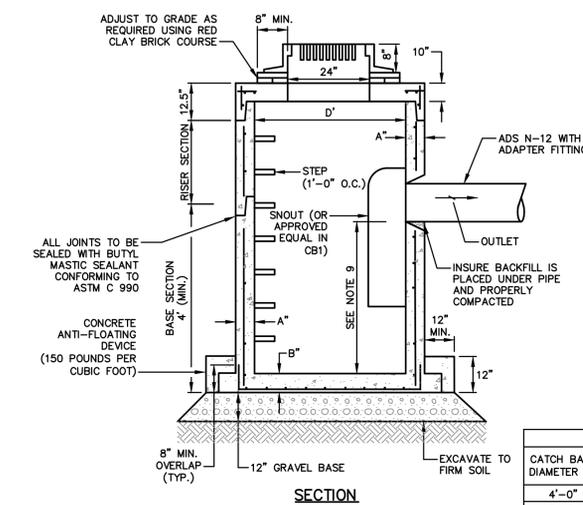
4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

NOMINAL Ø in (mm)	MIN. RECOMMENDED TRENCH WIDTH, in (mm)
6 (150)	23 (580)
12 (300)	31 (790)
15 (375)	34 (860)
18 (450)	39 (990)
24 (600)	48 (1220)
30 (750)	66 (1680)
36 (900)	78 (1980)

5. MINIMUM COVER: PROVIDE 12" MINIMUM COVER (EXCLUDING PAVEMENT MEASURED THICKNESS)



STORM DRAIN TRENCH
SCALE: N.T.S.



NOTES:
1. FRAME & GRATE SHALL CONFORM TO R.I. STD 6.3.0.
2. SEE TABLE 1 FOR STEEL REINFORCEMENT. REINFORCING STEEL SHALL CONFORM TO ASTM A-185.
3. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4,000 PSI TYPE II CEMENT.
4. CATCH BASIN DESIGN SHALL CONFORM TO ASTM C-478 FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."
5. PROVIDE "Y" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
6. ONE POUR MONOLITHIC BASE SECTION.
7. MANHOLE STEPS SHALL BE STEEL-REINFORCED COPOLYMER POLYPROPYLENE PLASTIC PER ASTM C-478, PARA. 11.
8. SHALL BE RATED FOR H-20 LOADING.
9. SUMP DEPTH SHALL BE 4 FEET OR AS NOTED IN OVERFLOW STRUCTURE DETAIL.

TABLE 1

CATCH BASIN DIAMETER (D)	A	B	E	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED *
4'-0"	5"	6"	12.5"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	13"	0.15 SQ. IN./LIN. FT.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

CATCH BASIN
SCALE: N.T.S.

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
7.	1/31/2014	ISSUED FOR BID	AGG/JWM	SMM
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SEAL	SEAL	SEAL

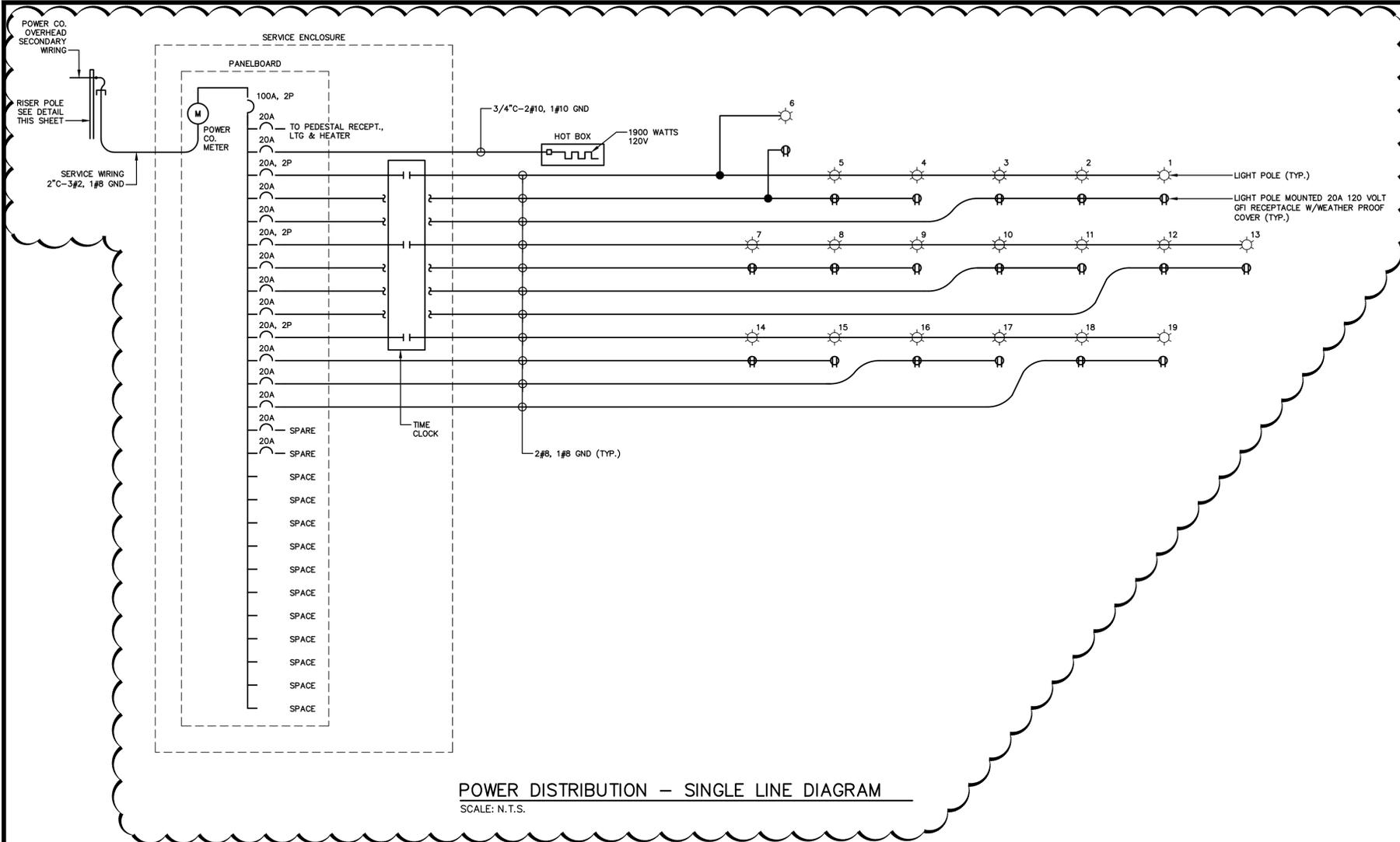
SCALE:
HORZ.: AS NOTED
VERT.:
DATUM:
HORZ.:
VERT.: SEE SURVEY

GRAPHIC SCALE

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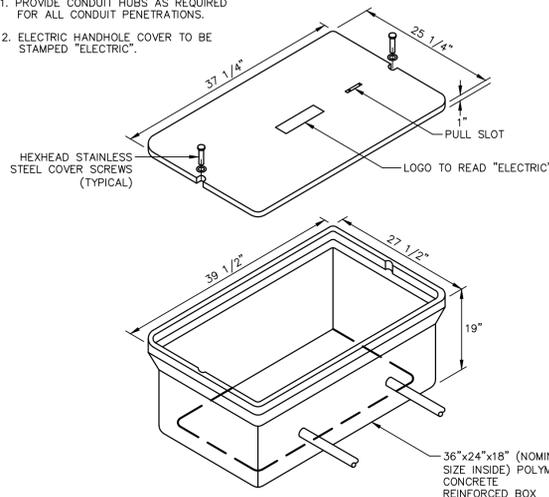
CITY OF PAWTUCKET
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AP 35, LOT 361 & AP 23A, LOT 673
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PROJ. No.: 20090081.B11
DATE: SEPTEMBER 2012
CD-504

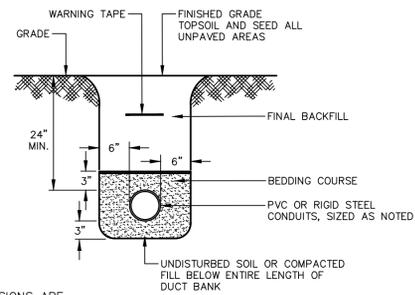


POWER DISTRIBUTION - SINGLE LINE DIAGRAM
SCALE: N.T.S.

- NOTE:
1. PROVIDE CONDUIT HUBS AS REQUIRED FOR ALL CONDUIT PENETRATIONS.
 2. ELECTRIC HANDHOLE COVER TO BE STAMPED "ELECTRIC".

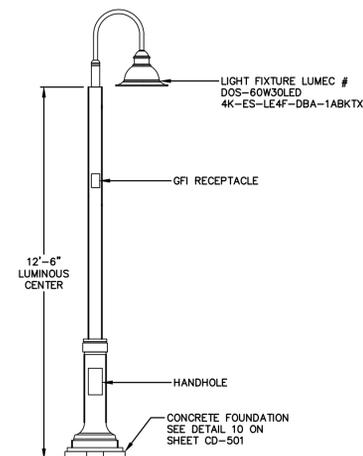


HANDHOLE DETAIL
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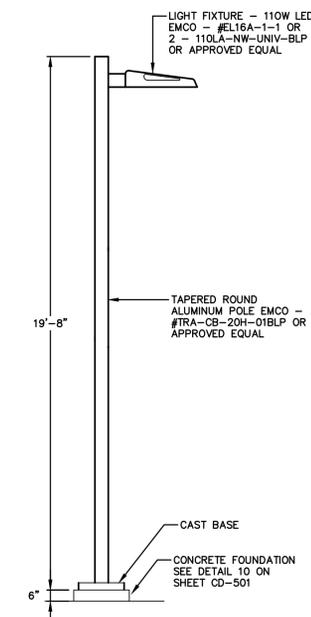


- NOTE:
1. ALL DIMENSIONS ARE MINIMUM REQUIREMENTS.

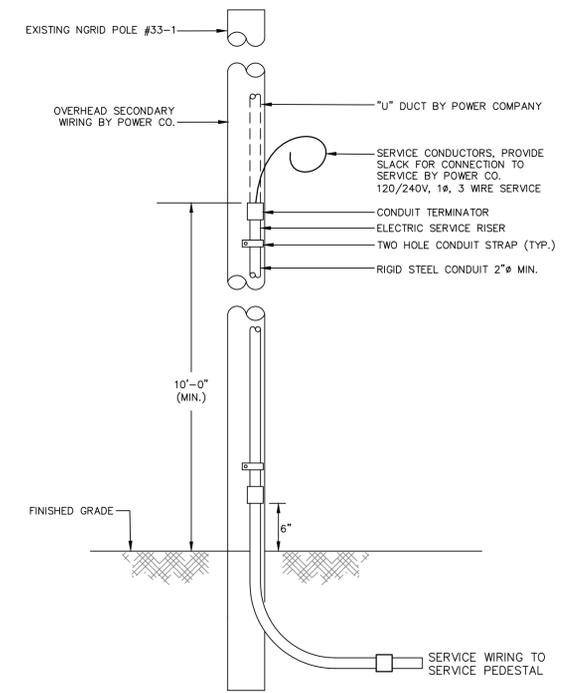
CONDUIT IN TRENCH DETAIL
SCALE: N.T.S.



POLE SL-4 & SL-5 DETAIL
SCALE: N.T.S.

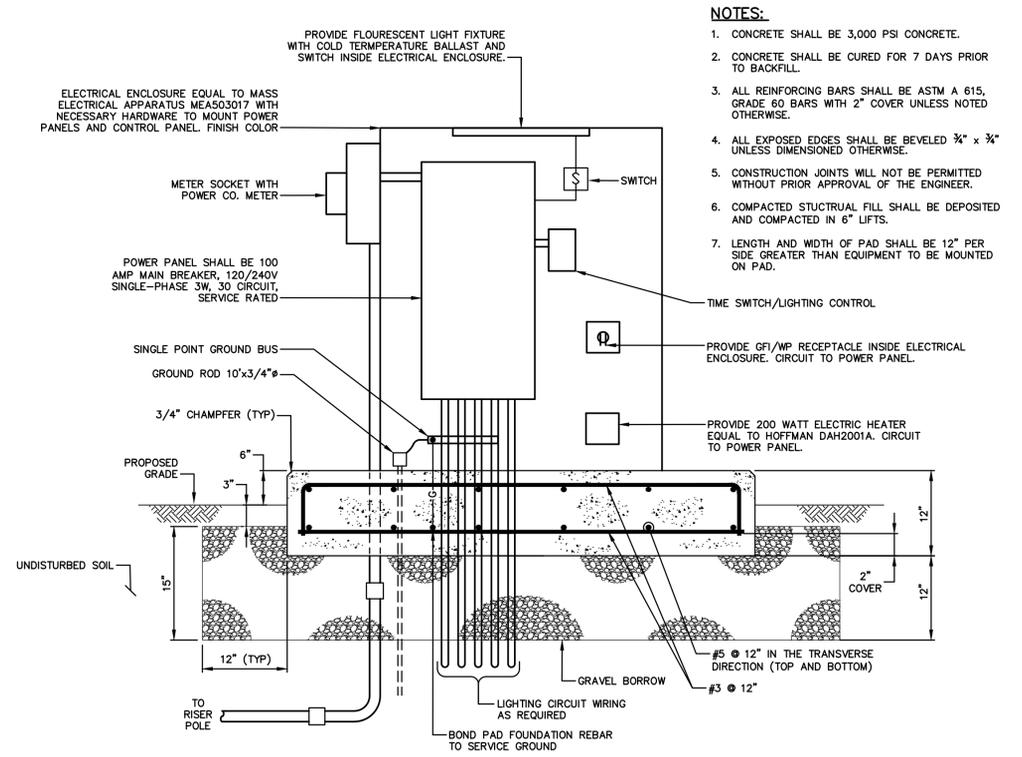


POLE SL-1 & SL-2 DETAIL
SCALE: N.T.S.



ELECTRIC SERVICE RISER POLE DETAIL
SCALE: N.T.S.

SERVICE ENCLOSURE DETAIL
SCALE: N.T.S.



- NOTES:
1. CONCRETE SHALL BE 3,000 PSI CONCRETE.
 2. CONCRETE SHALL BE CURED FOR 7 DAYS PRIOR TO BACKFILL.
 3. ALL REINFORCING BARS SHALL BE ASTM A 615, GRADE 60 BARS WITH 2\"/>

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SEAL	SEAL
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SCALE:
 HORZ.: AS NOTED
 VERT.:
 DATUM:
 HORZ.:
 VERT.: SEE SURVEY

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 SCHOOL STREET PAWTUCKET, RHODE ISLAND

PROJ. No.: 20090081.B11
 DATE: SEPTEMBER 2012
CD-509

Exhibit A

Pre-Bid Meeting Sign-In Sheet

**Sign-In Sheets
Festival Pier Construction
13-009**

Company Name	Rep. Name	Fax #	E-mail address	How did you hear about this RFP?			
				News Paper	City Website	State Website	Word of Mouth
HKCS Const. Holding Corp	Angela Kay	401 847 7351	Info@hskayandson.com			X	
JOHN ROCCAIO Corp	Mike Sarasin	401-5310 949- 2222	msarasin@johnroccaiocorp.com			X	
INTERNATIONAL PAVING	JEFF JOAQUIN	401 312-6568	JEFF@INTERNATIONALPAVING.net			X	
Northway Construction	John D. Nicos	781-340-5708	JDNICOS@NORTHWAYCONSTRUCTION.COM			X	
TOWER CONSTRUCTION	PATRICK FITZGERALD	401-944-4041	SAL@TOWERCONSTRUCTIONCORP.COM			X	
East Coast Constr.	LAURIE HAYWOOD	401 683-5662	Steve@eastcoastconstruction.com			X	
CARDI CORP.	RAYMOND GIORDANO	401-732-0000	RGIOR@CARDI.COM			X	
NARRAGANSETT IMPROVEMENT Co.	JOHN TRAKAS	401 351 6444	jtrakas@nicorri.com			X	

Please leave your business card. Thank You!

Exhibit B

Specifications

FESTIVAL PIER BID FORM – REVISION #1

LUMP SUM BASE BID ITEMS

Lump Sum Bid Item No.	Lump Sum Bid Price In Words	Lump Sum Bid In Figures
1.	Mobilization and Demobilization _____ (LUMP SUM)	\$ _____
2.	Site Clearing _____ (LUMP SUM)	\$ _____
3.	Remove & Dispose Electrical Utilities _____ (LUMP SUM)	\$ _____
4.	Abandon Pumping Well _____ (LUMP SUM)	\$ _____
5.	Earth Excavation _____ (LUMP SUM)	\$ _____
6.	Above Ground Storage Tank Removal _____ (LUMP SUM)	\$ _____
7.	Control of Water _____ (LUMP SUM)	\$ _____
8.	Boat Ramp _____ (LUMP SUM)	\$ _____
9.	Boardwalk _____ (LUMP SUM)	\$ _____
10.	Floating Dock _____ (LUMP SUM)	\$ _____

Lump Sum Bid Item No.	Lump Sum Bid Price In Words	Lump Sum Bid In Figures
11.	Water Enclosure _____ (LUMP SUM)	\$ _____
12.	Electric Enclosure _____ (LUMP SUM)	\$ _____
13.	Flag Pole _____ (LUMP SUM)	\$ _____
14.	Project Signage _____ (LUMP SUM)	\$ _____
15.	Stormwater Management System _____ (LUMP SUM)	\$ _____
16.	Concrete Retaining Wall _____ (LUMP SUM)	\$ _____
17.	Monument _____ (LUMP SUM)	\$ _____

UNIT BID BASE BID ITEMS

Unit Bid Item No.	Item Description	Unit	Unit Price Words & Figures	Opinion of Quantity	Amount
1.	Contaminated Soil Removal and Disposal	TON	_____ _____ Dollars and _____ Cents (\$ _____)	3,080	\$ _____
2.	Remove & Dispose 8" Iron Pipe	LF	_____ _____ Dollars and _____ Cents (\$ _____)	31	\$ _____
3.	Remove & Dispose 20" Iron Pipe	LF	_____ _____ Dollars and _____ Cents (\$ _____)	99	\$ _____

Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
4.	Common Borrow	CY	_____ _____ Dollars and _____ Cents (\$ _____)	600	\$ _____
5.	Geotextile Fabric	SY	_____ _____ Dollars and _____ Cents (\$ _____)	3,586	\$ _____
6.	Gravel Borrow	CY	_____ _____ Dollars and _____ Cents (\$ _____)	2,134	\$ _____
7.	2" PE Water Service	LF	_____ _____ Dollars and _____ Cents (\$ _____)	389	\$ _____
8.	Ground Hydrant	EA	_____ _____ Dollars and _____ Cents (\$ _____)	2	\$ _____
9.	4' Diameter Catch Basin	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
10.	5' Diameter Catch Basin	EA	_____ _____ Dollars and _____ Cents (\$ _____)	3	\$ _____
11.	15" Diameter Drain Basin	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
12.	24" Diameter Drain Basin	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
13.	Subdrain	LF	_____ _____ Dollars and _____ Cents (\$ _____)	396	\$ _____
14.	Subdrain Cleanouts	EA	_____ _____ Dollars and _____ Cents (\$ _____)	5	\$ _____

Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
15.	8" HDPE Pipe	LF	_____ _____ Dollars and _____ Cents (\$ _____)	139	\$ _____
16.	12" HDPE Pipe	LF	_____ _____ Dollars and _____ Cents (\$ _____)	187	\$ _____
17.	18" HDPE Pipe	LF	_____ _____ Dollars and _____ Cents (\$ _____)	125	\$ _____
18.	12" RCP	LF	_____ _____ Dollars and _____ Cents (\$ _____)	22	\$ _____
19.	18" RCP	LF	_____ _____ Dollars and _____ Cents (\$ _____)	74	\$ _____
20.	12" RCP Flared End	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
21.	18" RCP Flared End	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
22.	Stone Diaphragm	SY	_____ _____ Dollars and _____ Cents (\$ _____)	105	\$ _____
23.	8" Iron Pipe	LF	_____ _____ Dollars and _____ Cents (\$ _____)	31	\$ _____
24.	20" Iron Pipe	LF	_____ _____ Dollars and _____ Cents (\$ _____)	99	\$ _____

Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
25.	GrassPave	SY	_____ _____ Dollars and _____ Cents (\$ _____)	88	\$ _____
26.	Bituminous Base Course	TON	_____ _____ Dollars and _____ Cents (\$ _____)	660	\$ _____
27.	Bituminous Surface Course	TON	_____ _____ Dollars and _____ Cents (\$ _____)	660	\$ _____
28.	4" White Epoxy Resin Pavement Markings	LF	_____ _____ Dollars and _____ Cents (\$ _____)	3080	\$ _____
29.	4" Yellow Epoxy Resin Pavement Markings	LF	_____ _____ Dollars and _____ Cents (\$ _____)	605	\$ _____
30.	12" White Epoxy Resin Pavement Markings	LF	_____ _____ Dollars and _____ Cents (\$ _____)	39	\$ _____
31.	Handicap Pavement Symbols	EA	_____ _____ Dollars and _____ Cents (\$ _____)	6	\$ _____
32.	Granite Curbing - Straight	LF	_____ _____ Dollars and _____ Cents (\$ _____)	35	\$ _____
33.	Granite Curbing - Curve	LF	_____ _____ Dollars and _____ Cents (\$ _____)	53	\$ _____
34.	Construction Access	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
35.	Silt Fence	LF	_____ _____ Dollars and _____ Cents (\$ _____)	1,452	\$ _____

Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
36.	Baled Hay Erosion Check	LF	_____ _____ Dollars and _____ Cents (\$ _____)	83	\$ _____
37.	Baled Hay Erosion Check and Silt Fence Combined	LF	_____ _____ Dollars and _____ Cents (\$ _____)	1,540	\$ _____
38.	Inlet Protection	EA	_____ _____ Dollars and _____ Cents (\$ _____)	7	\$ _____
39.	Floating Turbidity Barrier	LF	_____ _____ Dollars and _____ Cents (\$ _____)	188	\$ _____
40.	1" Electrical Conduit	LF	_____ _____ Dollars and _____ Cents (\$ _____)	22 4070	\$ _____
41.	1- 1/2" Electrical Conduit	LF	_____ _____ Dollars and _____ Cents (\$ _____)	44 0	\$ _____
42.	2" Electrical Conduit	LF	_____ _____ Dollars and _____ Cents (\$ _____)	1,667 880	\$ _____
43.	#2 Electrical Wiring	LF	_____ _____ Dollars and _____ Cents (\$ _____)	220	\$ _____
44.	#8 Electrical Wiring	LF	_____ _____ Dollars and _____ Cents (\$ _____)	14,960 18,150	\$ _____
45.	#10 Electrical Wiring	LF	_____ _____ Dollars and _____ Cents (\$ _____)	17 55	\$ _____
46.	Light Pole and Fixture SL1	EA	_____ _____ Dollars and _____ Cents (\$ _____)	2	\$ _____

Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
47.	Light Pole and Fixture SL2	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
48.	Light Pole and Fixture SL4	EA	_____ _____ Dollars and _____ Cents (\$ _____)	9	\$ _____
49.	Light Pole and Fixture SL5	EA	_____ _____ Dollars and _____ Cents (\$ _____)	7	\$ _____
50.	Electric Handhole	EA	_____ _____ Dollars and _____ Cents (\$ _____)	2	\$ _____
51.	Concrete Walk Pavement – Standard Pavement	SY	_____ _____ Dollars and _____ Cents (\$ _____)	1,430	\$ _____
52.	Concrete Walk Pavement – Palomino	SY	_____ _____ Dollars and _____ Cents (\$ _____)	1,375	\$ _____
53.	Concrete Walk Pavement – Brick Red	SY	_____ _____ Dollars and _____ Cents (\$ _____)	924	\$ _____
54.	Timber Guardrail	LF	_____ _____ Dollars and _____ Cents (\$ _____)	1040 975	\$ _____
55.	Timber Barrier at Bulkhead	LF	_____ _____ Dollars and _____ Cents (\$ _____)	761	\$ _____
56.	Timber Steps at Kayak Launch	EA	_____ _____ Dollars and _____ Cents (\$ _____)	8	\$ _____
57.	Stone Screenings Walkway	CY	_____ _____ Dollars and _____ Cents (\$ _____)	4	\$ _____

Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
58.	Removable Bollard	EA	_____ _____ Dollars and _____ Cents (\$ _____)	4	\$ _____
59.	Bollard	EA	_____ _____ Dollars and _____ Cents (\$ _____)	12	\$ _____
60.	Bench	EA	_____ _____ Dollars and _____ Cents (\$ _____)	14	\$ _____
61.	Picnic Table – In-ground	EA	_____ _____ Dollars and _____ Cents (\$ _____)	5	\$ _____
62.	Detectable Warning Surface	SY	_____ _____ Dollars and _____ Cents (\$ _____)	112	\$ _____
63.	Signage	LF	_____ _____ Dollars and _____ Cents (\$ _____)	33	\$ _____
64.	Topsoil	CY	_____ _____ Dollars and _____ Cents (\$ _____)	635	\$ _____
65.	Lawn Eco Mix	SY	_____ _____ Dollars and _____ Cents (\$ _____)	2,850	\$ _____
66.	Quacking Aspen	EA	_____ _____ Dollars and _____ Cents (\$ _____)	52	\$ _____
67.	Lowbush Blueberry	EA	_____ _____ Dollars and _____ Cents (\$ _____)	68	\$ _____
68.	Big Leaf Hydrangea	EA	_____ _____ Dollars and _____ Cents (\$ _____)	28	\$ _____

Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
69.	Spirea	EA	_____ _____ Dollars and _____ Cents (\$ _____)	83	\$ _____
70.	Inkberry	EA	_____ _____ Dollars and _____ Cents (\$ _____)	30 24	\$ _____
71.	Summersweet	EA	_____ _____ Dollars and _____ Cents (\$ _____)	14	\$ _____
72.	Aster	EA	_____ _____ Dollars and _____ Cents (\$ _____)	51	\$ _____
73.	Meadow Sage	EA	_____ _____ Dollars and _____ Cents (\$ _____)	87	\$ _____
74.	Sedum	EA	_____ _____ Dollars and _____ Cents (\$ _____)	86	\$ _____
75.	Dwarf Fountain Grass	EA	_____ _____ Dollars and _____ Cents (\$ _____)	600	\$ _____
76.	Restore Existing Boat Cleats	EA	_____ _____ Dollars and _____ Cents (\$ _____)	12	\$ _____

SCHEDULE OF ALLOWANCES

Allowance No. 1- Electric: Include cost for application fees, procurement and coordination of electrical service as specified in Division 16 and as shown on Drawings: Fifteen Thousand Dollars (\$15,000.00).

Allowance No. 2 - Water: Include cost for application fees, procurement, **service, tap, meter, road patch, police detail**, and coordination of water service as specified in Division 2 and as shown on Drawings: ~~Three~~ **Five** Thousand Dollars (~~\$3,000.00~~) **(\$5,000.00)**.

Allowance No. 3 – Testing Services: Include cost for independent testing laboratories to perform specified testing of work and materials at the project site or at point of manufacture, as specified in Division 1 Section 01410 – Testing Laboratory Services: Ten Thousand Dollars (\$10,000.00).

TOTAL BASE BID PRICE

FOR PURPOSES OF BID COMPARISON, TOTAL BASE BID PRICE FOR LUMP SUM ITEMS 1 THROUGH ~~46~~ 17, UNIT BID ITEMS 1 THROUGH ~~72~~ 76, AND ALLOWANCES 1, ~~AND~~ 2, AND 3:

\$ _____ (Amount in Figures)

\$ _____ (Amount in Words)

ALTERNATE UNIT BID ITEMS

Alternate Unit Bid Items 1, 2, 3, 4, and 5 will be added to the project's base contract price only if directed by the Owner or Engineer should adequate funding become available. If selected by the Owner, Alternate Unit Bid Item 6 shall be in lieu of Unit Bid Item No. 49– Concrete Walk Pavement – Standard Pavement and Unit Bid Item No. 50 - Concrete Walk Pavement – Palomino. If selected by the Owner, Alternate Unit Bid Item 7 shall be in lieu of Unit Bid Item No. 51– Concrete Walk Pavement – Brick Red. If selected by the Owner, Alternate Unit Bid Item 8 shall be in lieu of Unit Bid Item No. 1– Contaminated Soil Removal and Disposal. Bid alternates may be added to the contract price out of order if directed by the Owner or Engineer.

Alt Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
1.	Bike Rack	EA	_____ _____ Dollars and _____ Cents (\$ _____)	1	\$ _____
2.	Concrete Stamping	EA	_____ _____ Dollars and _____ Cents (\$ _____)	810	\$ _____
3.	Trash Receptacles	EA	_____ _____ Dollars and _____	6	\$ _____
4.	BBQ Grills	EA	_____ _____ Dollars and _____	3	\$ _____
5.	Picnic Table – Surface Mount	EA	_____ _____ Dollars and _____	3	\$ _____

Alt Unit Bid Item No.	Item Description	Unit	Unit Price <u>Words & Figures</u>	Opinion of Quantity	Amount
6.	Concrete Walk Pavement - Standard Pavement	SY	_____ _____ Dollars and _____ Cents (\$ _____)	2,805	\$ _____
7.	Concrete Walk Pavement - Canopus Blue	SY	_____ _____ Dollars and _____ Cents (\$ _____)	924	\$ _____
8.	Contaminated Soil Removal and Disposal Alternate Location	CY	_____ _____ Dollars and _____ Cents (\$ _____)	3,080	\$ _____

ADD/DEDUCT UNIT BID ITEMS

The following add/deduct unit bid prices are for add/deduct purposes only in variance from the stated estimated quantities, the costs for which shall be included in Lump Sum Bid Item 8 – Boat Ramp or Lump Sum Bid Item 16 – Concrete Retaining Wall noted above.

1. Payment under add/deduct unit bid items listed below would only be made for the quantity of work completed and accepted in variance to the indicated quantities, respectively.
2. Any such work in variance to the respective base quantities will only be approved and accepted by the Engineer or Owner under written authorization of respective variance quantities prior to completion of the work items. Actual quantities will be measured and verified in the field by the Engineer or Owner. As such, respective base quantities shown below are for bidder's reference in preparing the lump sum price for Lump Sum Bid Item 8 – Boat Ramp and Lump Sum Bid Item 16 – Concrete Retaining Wall, as appropriate.

ADD/DEDUCT UNIT BID ITEMS FOR LUMP SUM BID ITEM 8 – BOAT RAMP

Add/Deduct Unit Bid Item No.	Item Description	Base Quantity in Lump Sum Bid Item 8 – Boat Ramp	Add/Deduct Unit Price <u>Words & Figures</u>
1.	Rock Excavation	60 CY	_____ _____ Dollars and _____ Cents (\$ _____)
2.	Earth Excavation	190 CY	_____ _____ Dollars and _____ Cents (\$ _____)

ADD/DEDUCT UNIT BID ITEMS FOR LUMP SUM BID ITEM 16 – CONCRETE RETAINING WALL

Add/ Deduct Unit Bid Item No.	Item Description	Base Quantity in Lump Sum Bid Item 16 – Concrete Retaining Wall	Add/Deduct Unit Price <u>Words & Figures</u>
3.	Rock Excavation	75 CY	<hr/> <hr/> Dollars and _____ Cents (\$ _____)
4.	Earth Excavation	220 CY	<hr/> <hr/> Dollars and _____ Cents (\$ _____)

SECTION 01210 - ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor.

1.3 SUBMITTALS

- A. Submit invoices or similar official documentation showing actual services, fees and charges by respective utility companies for each allowance.
- B. Coordinate and process submittals for allowance items in same manner as for other portions of the Work such that dependent construction activities by the Contractor proceed according to schedule requirements meeting the Contract Times.

1.4 COORDINATION

- A. Coordinate allowance items with other portions of the Work. Furnish templates, shop drawings, product data, test results or other submittals as required to coordinate delivery, installation, startup and training.

1.5 LUMP SUM ALLOWANCES DELIVERY AND USE

- A. Allowance shall include cost to Contractor of specific services, fees, charges, products and materials assessed or otherwise furnished by respective utility companies in furnishing utility services to the project site for functional operation.
- B. Contractor's costs for receiving, handling, coordinating and otherwise administering Project site, labor, installation, overhead and profit, and similar costs related to services, products and materials furnished by utility companies shall be included as part of the Contract Sum and not part of the respective allowances.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1- Electric: Include cost for application fees, procurement and coordination of electrical service as specified in Division 16 and as shown on Drawings: Fifteen Thousand Dollars (\$15,000.00).
- B. Allowance No. 2 - Water: Include cost for application fees, procurement, **service, tap, meter, road patch, police detail**, and coordination of water service as specified in Division 2 and as shown on Drawings: ~~Three~~ **Five** Thousand Dollars (~~\$3,000.00~~) (**\$5,000.00**).
- C. **Allowance No. 3 – Testing Services: Include cost for independent testing laboratories to perform specified testing of work and materials at the project site or at point of manufacture, as specified in Division 1 Section 01410 – Testing Laboratory Services: Ten Thousand Dollars (\$10,000.00).**

END OF SECTION

SECTION 02870 - SITE FURNISHINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
- B. Remedial Action Work Plan (RAWP), Festival Pier, Tim Healey Way, Pawtucket, Rhode Island prepared by Fuss & O'Neill, Inc. and attached as Exhibit A.

1.2 SUMMARY

- A. This Section includes the following
 - 1. Benches
 - 2. Bollards
 - 3. Removable Bollards
 - 4. Restoration of Existing Boat Cleats
 - 5. Timber Steps at Kayak Launch
 - 6. Detectable Warning Surface
 - 7. Floating Dock
 - 8. Trash Receptacles
 - 9. Bike Racks
 - 10. Tables
- B. Related Sections include the following:
 - 1. Division 2 Section "Contaminated Material Management".
 - 2. Division 2 Section "Earthwork".
 - 3. Division 3 Section "Concrete".

1.3 SUBMITTALS

- A. Submit manufacturer's product data for all site furnishings.
- B. Shop Drawings:
 - 1. Benches
 - 2. Bollards

3. Removable Bollards
4. Floating Dock
5. Trash Receptacles
6. Bike Racks
7. Tables

PART 2 - PRODUCTS

2.1 GENERAL

- A. All material shall be new and provided by the Contractor unless otherwise stated herein or approved by the Owner or Engineer.

2.2 MATERIALS

A. Benches:

1. Manufactured by DuMor Site Furnishings or approved equal. Local sales representative, O'Brien & Sons Inc., Medfield, MA 02052, Phone: 1-800-835-0056.
 - a. Style 58 steel bench with back rest.
 - b. Equipped with center armrest.
 - c. Length: 8'
 - d. Seating Surface: 1/4" x 1-1/2" steel bar and 2-3/8" O.D. steel pipe.
 - e. Bracing: 1-1/16" O.D. steel pipe.
 - f. Finish: Polyester powder coat.
 - 1) Color: Black.

B. Bollards:

1. Post: 6" diameter, ASTM F 1083, Schedule 40, standard weight steel pipe furnished with galvanized coating.
2. Concrete for footings: 4000 psi minimum compressive strength at 28 days conforming to all applicable requirements of Section 03300.
3. Steel Reinforcement: 3/8" diameter welded hoops to be installed at top, bottom, and center of footings in accordance with ASTM A 184 or A 704.

4. Color: Black

C. Removable Bollards:

1. Manufactured by Reliance Foundry or approved equal. Unit 207, 6450-148 Street Surry, BC, Canada V3s-7g7, Phone: 1-888-735-5680.
 - a. Stainless Steel (SAE 316) Model R-8902.
 - 1) With Removable receiving and lid (Part R-8901-R).
2. Concrete for footings: 4000 psi minimum compressive strength at 28 days conforming to all applicable requirements of Section 03300.
3. Steel Reinforcement: 1/2" diameter in accordance with ASTM A 184 or A 704.
4. Epoxy grout: Fast setting, expansive concrete cement or epoxy grout. Submit manufacturer's data for approval.
5. Color: Black

D. Restoration of Existing Boat Cleats:

1. Existing Boat Cleats shall remain in place.
2. Primer: Supermarine Formula 150 Epoxy Primer (SM-7390) as manufactured by Super Marine Paint or approved equal. Phone: 360-651-9050. Submit manufacturer's data for approval.
3. Paint: Revolution Marine Paint (SM-1000) as manufactured by Super Marine Paint or approved equal. Phone: 360-651-9050. Submit manufacturer's data for approval.
 - a. Gloss Level: Gloss
 - b. Color: Black MT

E. Timber Steps at Kayak Launch

1. Timber Step: 8"x8"x5' Douglas Fir or Southern Yellow Pine.
 - a. Grade: Commercial No 1 or better.
2. Pressure treatment: Alkaline copper quate (ACQ) preservative for ground contact.

- a. Arsenic and chromium free.
3. Rebar: In accordance with the drawings.
4. Stone Dust and Gravel Borrow Mix:
 - a. Stone Dust: Shall meet the requirements of Part 2.2.J of Section 02300 Earthwork.
 - b. Gravel Borrow: Shall meet the requirements of Part 2.2.L of Section 02300 Earthwork.

F. Detectable Warning Surface

1. Glass and carbon reinforced composite tiles that are colorfast and UV stable. Tiles shall be cast in-place type only. Tiles shall conform with the following specifications:
 - a. Compressive strength: 23,800 psi. (ASTM D 695)
 - b. Water absorption rate: 0.13% @ 2 weeks. (ASTM D 570)
 - c. Freeze-thaw resistance: No disintegration.
 - d. Size: Individual tiles shall be a minimum of 24" square by 1/8" thickness. All edges shall have a 1/2" beveled edge.
 - e. Surface: Non-slip texture with in-line pattern of raised truncated cones conforming to ADA Regulations for Detectable Warning on Curb Ramps.
 - f. Color: Brick Red.
 - g. Manufactured by ADA Solutions, Inc. or approved equal.

G. Floating Dock:

1. Manufactured by ~~AccuDock 1790 SW 13th Court, Pompano Beach, FL 33069, Phone 954-785-7557. EZ Dock, Inc. or approved equal. 11 Friars Drive, Hudson, NH 03051, Phone: 603-578-9699.~~
 - a. ~~Model: FFLT-0588~~
 - b. ~~Size: 5' x 8' x 8" modular units~~
2. ~~Shall conform to Division 2 Section "Pre-Engineered Floating Docks and Gangways."~~
 - a. ~~Dock Sections: Heavy duty polyethylene modular floating sections.~~
 - 1) ~~Dimensions: 10'L x 60" W x 15"D (#206010).~~

- b. ~~Anchoring:~~
- c. ~~Guardrail: Hot dipped galvanized finish.~~
 - 1) ~~Placement on one side of dock only. Refer to plans for location and quantity of guardrails.~~
- d. ~~Gangway: 6' polyethylene gangway (#200406) with hinges.~~
- e. ~~Accessories:~~
 - 1) ~~10" Tie Up Aluminum Cleats (#300110).~~
 - a) ~~Quantity: 16~~
 - 2) ~~Dock Bumpers (#300180).~~
 - a) ~~Quantity: 16~~

H. Trash Receptacles

- 1. Manufactured by BigBelly Solar or approved equal. 85 Wells Avenue, Suite 205, Newton MA 02459, Phone: 1-888-820-0300.
 - a. On-Site Solar Powered BigBelly Compactor.
 - 1) Mixed waste configuration.
 - 2) Single-stream recycling configuration.

I. Bike Racks:

- 1. Manufactured by DuMor Site Furnishings or approved equal. Local sales representative, O'Brien & Sons Inc., Medfield, MA 02052, Phone: 1-800-835-0056.
 - a. Style 130-30 with Surface Mount (S-2).
 - b. 2-3/8" O.D. schedule 40 steel pipe.
 - c. Finish: Coated with zinc rich epoxy and finished with polyester powder coating.
 - 1) Color: Black.

J. Tables:

- 1. Manufactured by Wabash Valley or approved equal. Local sales representative, O'Brien & Sons Inc., Medfield, MA 02052, Phone: 1-800-835-0056.

- a. Style: Signature Series 46" Round Picnic Table.
- b. Mount: In-ground as per manufacturer's recommendations unless otherwise specified.
- c. Finish: Corrosion-resistant plastisol coating.
 - 1) Color: Black.

K. Flag Pole:

1. Manufactured by Pole Tech or approved equal. Pole Tech, East Setauket, NY 11733, Phone: 1-800-633-6733.
 - a. Style: Single Masted Nautical Flagpole.
 - b. Mount: In-ground.
 - c. Dimensions: 30-foot high, 6-inch diameter.
 - d. Finish: Clear Anodized.
 - 1) Color: White.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine the conditions under which all site furnishings are to be installed. Installation shall not proceed until all unsatisfactory conditions, if any, have been corrected.

3.2 INSTALLATION – GENERAL

- A. Install all site furnishings as detailed at locations as shown on the drawings plumb and level. Final locations to be approved by owner.
- B. Install benches, bollards, removable bollards, timber steps at kayak launch, floating dock, trash receptacles, bike racks, tables, and flag pole in accordance with manufacturer's recommendations.

3.3 DETECTABLE WARNING SURFACE

- A. Preparation: Tiles shall be cast-in-place in fresh poured, finished level, true and smooth concrete.
- B. Tiles: Install as detailed at locations as shown on the drawings.
- C. Installation: Install in accordance with manufacturer's recommendations.

3.4 BOAT CLEATS

SITE FURNISHINGS

- A. Remove old paint, loose scale, wax, oil and contaminates from existing cleats. Sand or scuff all surfaces to a smooth even finish prior to application of primer.
- B. Cleaner: Treat any rust with rust converting metal conditioner
- C. Primer: Apply a minimum of two coats according to manufacturer's specifications.
- D. Paint: Apply a minimum of two thin coats according to manufacturer's specifications.
 - 1. Roll application with high quality dense foam roller cover.

END OF SECTION

Exhibit C

Survey Plans



AP 23 A

N/F
CLUBE SOCIAL PRORTUGUES INC.
131 SCHOOL STREET

AP 23 A

N/F
SCHOOL STREET ASSOCIATES
SCHOOL STREET

WATER STREET
(PUBLIC WIDTH VARIES)

SCHOOL STREET
(PUBLIC WIDTH VARIES)

POND STR.

AP 23 A

N/F
EDDY CHEVROLET BUIL. INC.
45-55 DIVISION STREET

AP 35A LOT-673
N/F
CITY OF PAWTUCKET
AREA = 109,070 +/- S.F.
2.50 ACRES

ELEVATION DATUM CONVERSION TO 1988 NAD

THE CONVERSION OF THE ELEVATION DATUM ON THIS PLAN TO NAD 1988 IS -1.32'

LEGEND

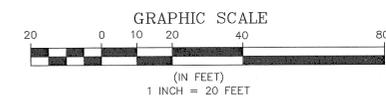
- EXISTING CONTOURS
- EXISTING VEGETATION
- PROPERTY LINE
- LOT LINE
- EXISTING SEWER LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING GUARD RAIL
- EXISTING METAL FENCE
- EXISTING MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING CATCH BASIN
- EXISTING DRILL HOLE
- EXISTING GRANITE BOUND
- EXISTING FIRE HYDRANT
- EXISTING TRAFFIC SIGNAL
- EXISTING POLE
- EXISTING UTILITY POLE
- EXISTING LIGHT POLE

PLAN REFERENCE:

1. "MAJOR SUBDIVISION FOR RAST RIVERVIEW RIVERFRONT REDEVELOPMENT AREA" BY COMMONWEALTH ENGINEERS & CONSULTANTS DATED 6/3-99 SCALE 1"=20'

THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL LAND SURVEYORS.

Curt A. Nunes
REGISTERED LAND SURVEYOR *11/26/12* DATE



CURT A. NUNES
No. 1901
PROFESSIONAL LAND SURVEYOR

COMMONWEALTH LAND SURVEYORS, INC.
1182 SOUTH MAIN STREET
ATTLEBORO, MASSACHUSETTS 02703
508-455-2634

REVISIONS

No.	DATE	DRWN	CHKD
1.	8/11/12	CAN	CAN

UPDATED TOPOGRAPHIC PLAN
for
EAST RIVERVIEW RIVERFRONT
REDEVELOPMENT AREA
in
PAWTUCKET, RHODE ISLAND

SCALE: 1"=20'	SHEET NO: 1 of 3
DRAWN BY: CAN	DESIGN BY: N/A
DATE: 6/8/12	CHECKED BY: CAN
	PROJECT NO.: 2012-018

MATCH LINE SHEET 2 OF 3

MATCH LINE SHEET 1 OF 3

MATCH LINE SHEET 3 OF 3



AP 23 A
N/F
THOMAS P. AND LINDA M. BRAY
250-268 SCHOOL STREET

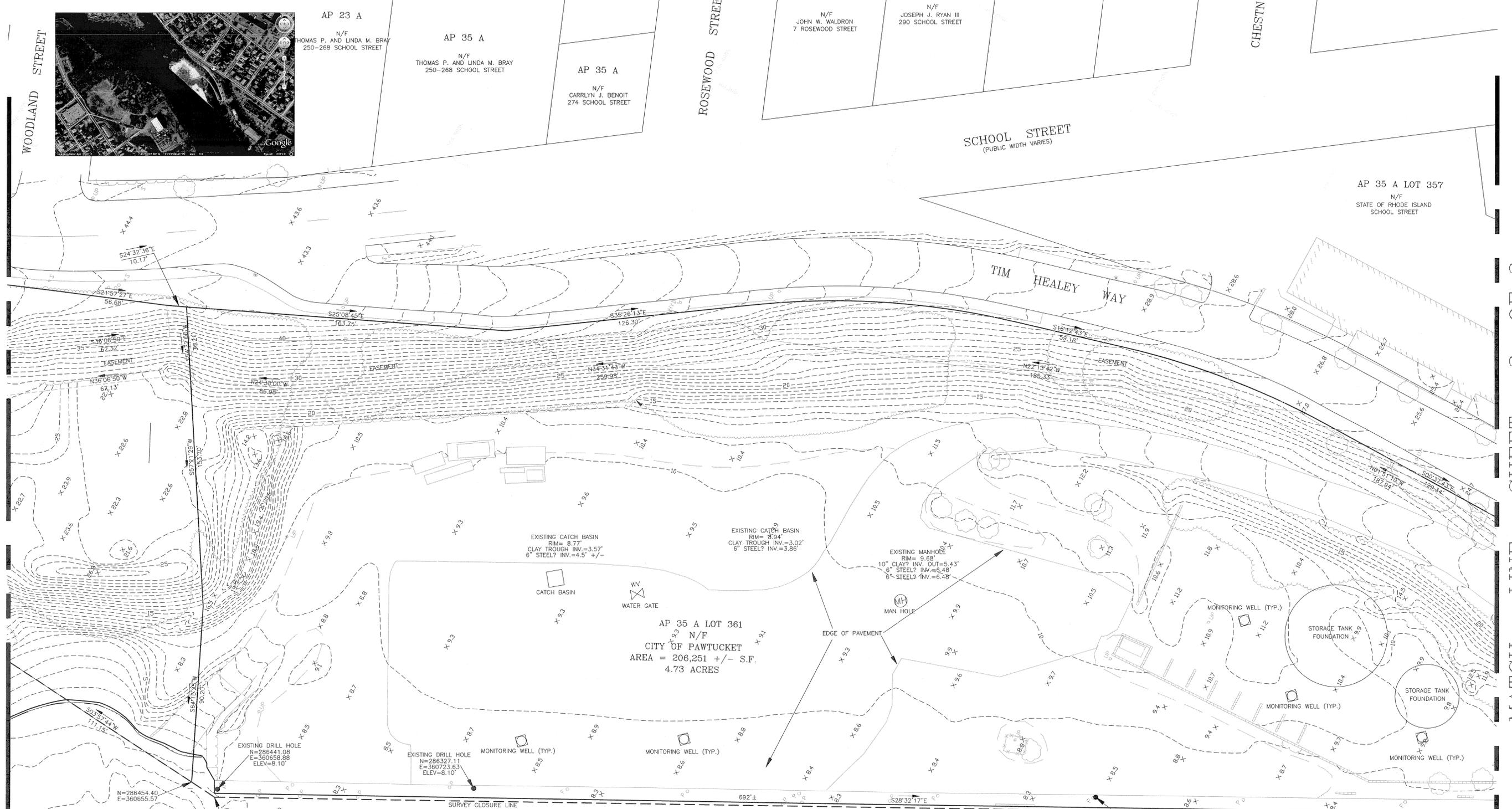
AP 35 A
N/F
THOMAS P. AND LINDA M. BRAY
250-268 SCHOOL STREET

AP 35 A
N/F
CARRLYN J. BENOIT
274 SCHOOL STREET

N/F
JOHN W. WALDRON
7 ROSEWOOD STREET

N/F
JOSEPH J. RYAN III
290 SCHOOL STREET

AP 35 A LOT 357
N/F
STATE OF RHODE ISLAND
SCHOOL STREET



- LEGEND**
- EXISTING CONTOURS
 - EXISTING VEGETATION
 - PROPERTY LINE
 - LOT LINE
 - EXISTING SEWER LINE
 - EXISTING EDGE OF PAVEMENT
 - EXISTING GUARD RAIL
 - EXISTING METAL FENCE
 - EXISTING MANHOLE
 - EXISTING SEWER MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING DRILL HOLE
 - EXISTING GRANITE BOUND
 - EXISTING FIRE HYDRANT
 - EXISTING TRAFFIC SIGNAL
 - EXISTING POLE
 - EXISTING UTILITY POLE
 - EXISTING LIGHT POLE

THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL LAND SURVEYORS.

[Signature]
REGISTERED LAND SURVEYOR

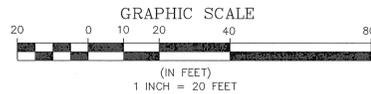
[Signature] DATE

ELEVATION DATUM CONVERSION TO 1988 NAD
THE CONVERSION OF THE ELEVATION DATUM ON THIS PLAN TO NAD 1988 IS -1.32'

DEED REFERENCES:

BOOK	PAGE
679	692
427	106
707	1753
462	85
704	298
462	91

PLAN REFERENCE:
1. "MAJOR SUBDIVISION FOR EAST RIVERVIEW RIVERFRONT REDEVELOPMENT AREA" BY COMMONWEALTH ENGINEERS & CONSULTANTS DATED 6/3-99 SCALE 1"=20'



REVISIONS

No.	DATE	DRWN	CHKD

UPDATED TOPOGRAPHIC PLAN
for
EAST RIVERVIEW RIVERFRONT REDEVELOPMENT AREA
in
PAWTUCKET, RHODE ISLAND

SCALE: 1"=20' SHEET NO: 2 of 3
DRAWN BY: CAN DESIGN BY: N/A CHECKED BY: CAN
DATE: 6/8/12 PROJECT NO.: 2012-018

MATCH LINE SHEET 2 OF 3



DEED REFERENCES:

BOOK	PAGE
679	692
427	106
707	1753
462	85
704	298
462	91

EXISTING DRILL HOLE
 N=285837.48
 E=360987.94
 ELEV=8.17

N=285816.06
 E=360994.10

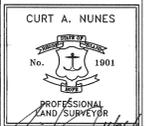
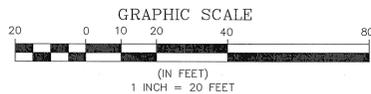
- LEGEND**
- EXISTING CONTOURS
 - EXISTING VEGETATION
 - PROPERTY LINE
 - LOT LINE
 - EXISTING SEWER LINE
 - EXISTING EDGE OF PAVEMENT
 - EXISTING GUARD RAIL
 - EXISTING METAL FENCE
 - EXISTING MANHOLE
 - EXISTING SEWER MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING DRILL HOLE
 - EXISTING GRANITE BOUND
 - EXISTING FIRE HYDRANT
 - EXISTING TRAFFIC SIGNAL
 - EXISTING POLE
 - EXISTING UTILITY POLE
 - EXISTING LIGHT POLE

ELEVATION DATUM CONVERSION TO 1988 NAD
 THE CONVERSION OF THE ELEVATION DATUM ON THIS PLAN TO NAD 1988 IS -1.32'

PLAN REFERENCE:
 1. "MAJOR SUBDIVISION FOR RAST RIVERVIEW RIVERFRONT REDEVELOPMENT AREA"
 BY COMMONWEALTH ENGINEERS & CONSULTANTS DATED 6/3-99 SCALE 1"=20'

THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD
 AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL
 LAND SURVEYORS.

[Signature]
 REGISTERED LAND SURVEYOR DATE



REVISIONS

No.	DATE	DRWN	CHKD



UPDATED TOPOGRAPHIC PLAN
 for
EAST RIVERVIEW RIVERFRONT REDEVELOPMENT AREA
 in
 PAWTUCKET, RHODE ISLAND

SCALE: 1"=20'	SHEET NO: 3 of 3
DRAWN BY: CAN	DESIGN BY: N/A
DATE: 6/8/12	CHECKED BY: CAN
PROJECT NO.: 2012-018	