



Engineers Architects Planners

Acknowledgment

Number of pages including cover sheet: _____

To: **All Plan Holders**

Fax Number: _____

From: **Barry J. Hammer, P.E.
Gale Associates, Inc.**

Job Number: **776440**

Date: **May 4, 2009**

Message:

Attached is Addendum No. 2 to the Contract Documents for:

**RECONSTRUCT TOWER APRON
 (APPROX. 850 LF X 250 LF)**

NHDOT NO. SBG 12-03-2009

Per the Contract Documents, all bidders shall acknowledge receipt of this addendum by printing their company name, date, and name of an authorized representative in the space provided below, signing this sheet and faxing to 603-471-1809 or emailing it to bjh@gainc.com at Gale Associates, Inc. no later than 11:00 a.m. on Tuesday, May 5, 2009.

Company Name:

Name of Authorized Representative:

Signature of Authorized Representative:

Date:

ADDENDUM NO. 2

**RECONSTRUCT TOWER APRON
(APPROX. 850 LF X 250 LF)**

**BOIRE FIELD
NASHUA, NEW HAMPSHIRE**

NHDOT NO. SBG 12-03-2009

The attention of all bidders submitting proposals for the above project is called to the following changes to the Contract Documents. The items set forth herein, whether of clarification, omission, addition, or substitution are to be included in and shall form a part of the proposal submitted.

Bidders shall acknowledge receipt of the Addendum by writing the words, "Addendum No. 2" and inserting a date of **May 4, 2009** on the lines provided for such on Page P-1 of the Proposal Documents.

SPECIFICATIONS – INFORMATION FOR BIDDERS:

Addendum Item No. 1.1

REVISE the first paragraph on Item 19 on Page I-9 of the Information for Bidders to read:

"The project shall be awarded to the lowest responsible and eligible Bidder on the basis of competitive bids for the Base Bid plus Additive Alternates No. 1. Should all bids for the Base Bid plus Additive Alternates No. 1 exceed the available funding for the project, the Contract will be awarded to the Contractor with the lowest qualified bid for the Base Bid only. If such bid exceeds such amount, the Owner may reject all bids or may delete work items altogether, if necessary to bring the Contract awarded within funds available to finance the project. Such reduction or deletion of work shall not constitute a basis for withdrawal of the proposal or for adjustment of the unit or lump sum prices bid."

SPECIFICATIONS – PROPOSAL DOCUMENTS:

Addendum Item No. 1.2

REMOVE and **REPLACE** Pages P-2 through P-14 of the Proposal Documents with the attached Pages P-2 through P-14D (Addendum #2).

SPECIFICATIONS – TECHNICAL SPECIFICATIONS:

Addendum Item No. 1.3

CLARIFICATION. Concrete structures to be installed for the apron electrical outlets shall be designed and constructed to withstand a minimum 30,000 lbs. single wheel load as per Specification Section 005-2.2 on Page M-005-2.

Addendum Item No. 1.4

REVISE the third paragraph on Page L-109-2 of Specification Section L-109 with the following:

“The shelter shall be equipped with the following: open fluorescent interior lights with RFI suppressors, heater, louvered vent with thermostat controlled fan, 70 watt high pressure sodium exterior light, lightning protection, air conditioning, surge protection, two (2) 3’0” x 7’0” exterior doors, interior insulation minimum R-14, interior plywood sheathing, and interior and exterior paint.”

CONTRACT DRAWINGS:

Addendum Item No. 1.5

REVISE Contract Drawing Nos. G1.1, D1.1, C1.1, C3.2, L1.3, L3.1, and L2.1 with the attached Figures G1.1A, D1.1A, C1.1B, C1.1C, C3.2C, L1.3B, L1.3C, L1.3D, L1.3E, L3.1A, L3.1B, L2.1A, L2.1B, L2.1C, L2.1D, and L2.1E. The attached figures reference the corresponding Contract Drawing that the figure is associated with. The figures should be inserted into the corresponding Contract Drawing.

END OF ADDENDUM NO. 2

BOIRE FIELD

RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF)

NHDOT NO. SBG-12-03-2009

SCHEDULE OF UNIT PRICES

BASE BID

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
M-001-1	$\frac{1}{LS}$	<u>Engineer's Field Office</u> for the unit price per Lump Sum of: _____ _____ dollars and _____ cents.				
M-001-2	$\frac{1}{FLS}$	<u>Record Drawings and Final Survey</u> for the unit price per Fixed Lump Sum of: _____ <i>Five Thousand</i> _____ dollars and <i>Zero</i> _____ cents.	\$5,000	00	\$5,000	00
M-003-1	$\frac{150}{EA}$	<u>Aircraft Tie-Down</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
M-004-1	$\frac{25,600}{SY}$ 	<u>Reclaimed Base Course</u> for the unit price per Square Yard of: _____ _____ dollars and _____ cents				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
M-004-2	1,500 TON △ 2	<u>Supplemental Aggregate</u> for the unit price per Ton of: _____ _____ dollars and _____ cents.				
M-005-1	10 EA	<u>Apron Electrical Outlet</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
M-006-1	250 CY △ 2	<u>Crushed Gravel</u> for the unit price per Cubic Yard of: _____ _____ dollars and _____ cents.				
M-006-2	180 TON △ 2	<u>Temporary Pavement</u> for the unit price per Ton of: _____ _____ dollars and _____ cents.				
M-006-3	2 EA	<u>Leaching Trench</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
M-006-4	$\frac{6}{EA}$	<u>Retroreflective Taxiway Edge Marker</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
M-007-1	$\frac{25,300}{SY}$	<u>Slurry Seal</u> for the unit price per Square Yard of: _____ _____ dollars and _____ cents.				
M-008-1	$\frac{4}{EA}$	<u>Apron Light Pole and Fixture</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
P-152-1	$\frac{1,500}{CY}$ 	<u>Unclassified Excavation</u> for the unit price per Cubic Yard of: _____ _____ dollars and _____ cents.				
P-152-2	$\frac{500}{CY}$	<u>Unsuitable Material Excavation</u> for the unit price per Cubic Yard of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
P-152-3	$\frac{10}{EA}$ 	<u>Drainage Structure Removal</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
P-152-4	$\frac{1,400}{LF}$	<u>Drainage Pipe Removal</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
P-152-5	$\frac{180}{EA}$	<u>Aircraft Tie-Down Removal</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
P-152-6	$\frac{1000}{LF}$ 	<u>Cable Removal</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
P-152-7	$\frac{7}{EA}$ 	<u>Electrical Junction Box Removal</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
P-152-8	$\frac{1}{EA}$	<u>Electrical Enclosure Removal</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
P-152-9	$\frac{5}{EA}$ 	<u>Adjust Structure to Grade</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
P-156-1	$\frac{1,650}{LF}$	<u>Siltation Fence</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
P-156-2	$\frac{5}{EA}$	<u>Straw Bale Check Dam</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
P-156-3	$\frac{13}{EA}$	<u>Inlet Protection</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
P-156-4	$\frac{1}{\text{LS}}$	<u>Sediment and Erosion Control/SWPPP</u> for the unit price per Lump Sum of: _____ _____ dollars and _____ cents.				
P-156-5	$\frac{1}{\text{ALLOW}}$	<u>Monitor Erosion & Sediment Control</u> for the unit price per Allowance of: <u>Three Thousand Five</u> _____ <u>Hundred</u> dollars and <u>zero</u> cents.	\$3,500	00	\$3,500	00
P-401-1	$\frac{6,500}{\text{TON}}$ 	<u>Airport Bituminous Concrete Pavement</u> for the unit price per Ton of: _____ _____ dollars and _____ cents.				
P-602-1	$\frac{9,000}{\text{GAL}}$ 	<u>Bituminous Prime Coat</u> for the unit price per Gallon of: _____ _____ dollars and _____ cents.				
P-603-1	$\frac{2,600}{\text{GAL}}$ 	<u>Bituminous Tack Coat</u> for the unit price per Gallon of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
P-620-1	4,000 SF △ 2	<u>Pavement Markings</u> for the unit price per Square Foot of: _____ _____ dollars and _____ cents.				
P-620-2	4000 SF △ 2	<u>Temporary Pavement Markings</u> for the unit price per Square Foot of: _____ _____ dollars and _____ cents.				
P-620-3	1700 SF △ 2	<u>Retroreflective Marking Tape</u> for the unit price per Square Foot of: _____ _____ dollars and _____ cents.				
D-701-1	300 LF	<u>24" RCP Drain Pipe</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
D-701-2	100 LF	<u>30" RCP Drain Pipe</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
D-701-3	$\frac{950}{LF}$	<u>48" RCP Drain Pipe</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
D-751-1	$\frac{5}{EA}$ 	<u>5' Diameter Catch Basin</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
D-751-2	$\frac{5}{EA}$	<u>8' Diameter Drain Manhole</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
D-751-3	$\frac{1}{EA}$	<u>Flared End Section</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
D-751-4	$\frac{1}{EA}$	<u>Drop Inlet</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
L-108-1	$\frac{1,100}{\text{LF}}$ 	<u>Bare Copper Counterpoise</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
L-108-2	$\frac{5,000}{\text{LF}}$ 	<u>1/c #6 AWG, 600 V Cable</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
L-108-3	$\frac{0}{\text{LF}}$ 	<u>Cable Trench</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
L-108-4	$\frac{5}{\text{EA}}$ 	<u>Duct/Cable Markers</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
L-108-5 	$\frac{3800}{\text{LF}}$ 	<u>1/c #2 AWG, 600 V Cable</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
L-108-6 	$\frac{3100}{\text{LF}}$ 	<u>1/c #4 AWG, 600 V Cable</u> for the unit price per Linear Foot of: _____ dollars and _____ cents.				
L-109-1	$\frac{1}{\text{LS}}$	<u>New Electrical Vault and Service</u> for the unit price per Lump Sum of: _____ dollars and _____ cents.				
L-110-1	$\frac{875}{\text{LF}}$ 	<u>2" 1-Way Unencased Duct</u> for the unit price per Linear Foot of: _____ dollars and _____ cents.				
L-110-2	$\frac{1,050}{\text{LF}}$	<u>2" 1-Way Concrete Encased Duct</u> for the unit price per Linear Foot of: _____ dollars and _____ cents.				
L-110-3	$\frac{175}{\text{LF}}$ 	<u>2" 2-Way Unencased Duct</u> for the unit price per Linear Foot of: _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
L-110-4	$\frac{125}{\text{LF}}$ 	<u>2" 2-Way Concrete Encased Duct</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
L-110-5	$\frac{400}{\text{LF}}$ 	<u>4" 4-Way Concrete Encased Duct</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
L-110-6	$\frac{325}{\text{LF}}$ 	<u>4" 8-Way Concrete Encased Duct</u> for the unit price per Linear Foot of: _____ _____ dollars and _____ cents.				
L-115-1	$\frac{2}{\text{EA}}$	<u>Electrical Manhole</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
L-115-2	$\frac{6}{\text{EA}}$ 	<u>Electrical Handhole</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
L-115-3	$\frac{7}{EA}$	<u>Junction Can</u> for the unit price per Each of: _____ _____ dollars and _____ cents.				
T-901-1	$\frac{6900}{SY}$ $\triangle 2$	<u>Seeding</u> for the unit price per Square Yard of: _____ _____ dollars and _____ cents.				
T-905-1	$\frac{5,500}{SY}$ $\triangle 2$	<u>Topsoil 4" Deep - Respread</u> for the unit price per Square Yard of: _____ _____ dollars and _____ cents.				
T-905-2	$\frac{1,400}{SY}$ $\triangle 2$	<u>Topsoil 4" Deep - Borrow</u> for the unit price per Square Yard of: _____ _____ dollars and _____ cents.				

BASE BID SUMMARY

TOTAL BID: _____
(words)

_____ dollars

and _____ cents (\$ _____).
(figures)

The Owner reserves the right to delete any item of work in whole or in part, in order to meet the available funding.

Amounts are to be shown in both words and figures. In case of Discrepancy, the amount shown in words will govern.

The above unit prices shall include all labor, materials, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.

BOIRE FIELD

RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF)

NHDOT NO. SBG-12-03-2009

SCHEDULE OF UNIT PRICES

ADDITIVE ALTERNATE NO. 1

ITEM NO.	ESTIMATED QUANTITY	ITEM DESCRIPTION WITH UNIT BID PRICE WRITTEN IN WORDS	UNIT PRICE		AMOUNT	
			Dollars	Cents	Dollars	Cents
M-009-1 	$\frac{1}{LS}$ 	<u>Electrify India Ramp</u> for the unit price per Lump Sum of: _____ dollars and _____ cents.				

ADDITIVE ALTERNATE NO. 1 SUMMARY

TOTAL BID: _____
 (words)

_____ dollars

and _____ cents (\$ _____).
 (figures)

The Owner reserves the right to delete any item of work in whole or in part, in order to meet the available funding.

Amounts are to be shown in both words and figures. In case of Discrepancy, the amount shown in words will govern.

The above unit prices shall include all labor, materials, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.

BID SUMMARY

TOTAL BASE BID _____
(words) _____ dollars
and _____ cents (\$ _____)
(figures)

TOTAL BASE BID PLUS ADDITIVE ALTERNATES NO. 1

(words) _____ dollars
and _____ cents (\$ _____)
(figures)

Bidder understands that the Owner reserves the right to reject any or all Bids and to waive any informalities in the Bidding.

The Bidder agrees that this Bid shall be good and may not be withdrawn for a period of 230 calendar days after the scheduled time for receiving Bids.

The undersigned further 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 subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

The undersigned agrees that if he/she is selected as the Contractor he/she will, within five (5) calendar days, after presentation thereof by the Owner, unless otherwise directed in writing by the Owner: execute a Contract in accordance with the terms of this General Bid; furnish a Performance Bond and Payment Bond, each of a Surety company qualified to do business under the laws of the State and satisfactory to the Owner, and each in the sum of 100% of the Contract amount, the premiums of which are to be paid by the Contractor and are included in the Contract amount; furnish insurance certificates as required by the Specifications; and return the documents to the Owner. In addition, the Contractor agrees that they will begin work within fourteen (14) calendar days of receipt of a Notice to Proceed (electronic receipt shall be considered acceptable as "receipt" under this provision). Failure by the Contractor to comply fully with either of these provisions may result in the cancellation of the State Block Grant that provides the funding for this project and make the Contractor liable for the full amount of the Grant (including design, administration and other costs) plus reasonable expenses by the Owner.

Bidder proposes to provide all labor and materials to complete the work, as specified in the Contract Documents, and as is reasonably expected due to the existing conditions and required construction.

The undersigned hereby certifies that he/she is able to furnish labor that can work in harmony with all other elements of labor employed, or to be employed on the work, and that he/she will comply fully with all Federal, State and Local laws and regulations applicable to contract awards.

The Bid Security attached in the sum of \$_____ is to become the property of the Owner, in the event the Contract and Bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner causes thereby.

In accordance with the American Recovery and Reinvestment Act of 2009 (ARRA), the undersigned hereby certifies that it is agreed and understood that by submission of this bid, the undersigned acknowledges and agrees that it will provide all reports, in a format and with such frequency as determined by the FAA, for all information related to the administration of the grant under which this project is funded, as required by Congress or any Federal agency with authority to require such reporting including, but not limited to, that required by Section 1201 and Section 1512 of the American Recovery and Reinvestment Act of 2009. This reporting will include, but not be limited to, schedules, construction progress, project expenditures, job creation, etc. as specified.

Company Name

Address

Name of Authorized Signature

Signature

Title

Date

(SEAL - if Bid is by a corporation)

MAJOR ITEM QUANTITIES

DESCRIPTION

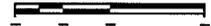
T BITUMINOUS CONCRETE PAVEMENT

QUANTITY

6,500 TONS 

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GRAPHIC SCALE



SCALE: N.T.S.



Gale Associates, Inc
Engineers Architects Planners
15 Constitution Drive
Bedford, NH 03110
P 603.471.1887 F 603.471.1809
www.gainc.com

Boston Baltimore Orlando San Francisco

**ADDENDUM NO. 2
REVISIONS TO BE INSERTED
ONTO 'BID SET' DWG. NO. G1.1**

RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF)
BOIRE FIELD - NASHUA MUNICIPAL AIRPORT - NASHUA, NEW HAMPSHIRE
SBG NO. 12-03-2009

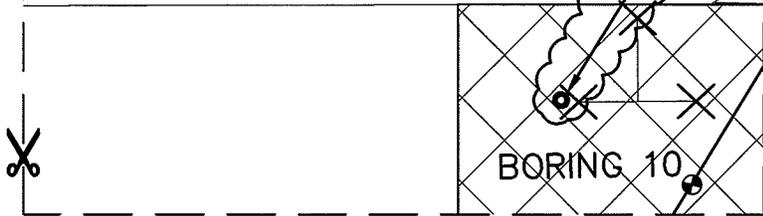
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776440	NAI	BJH	776440-G11-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2

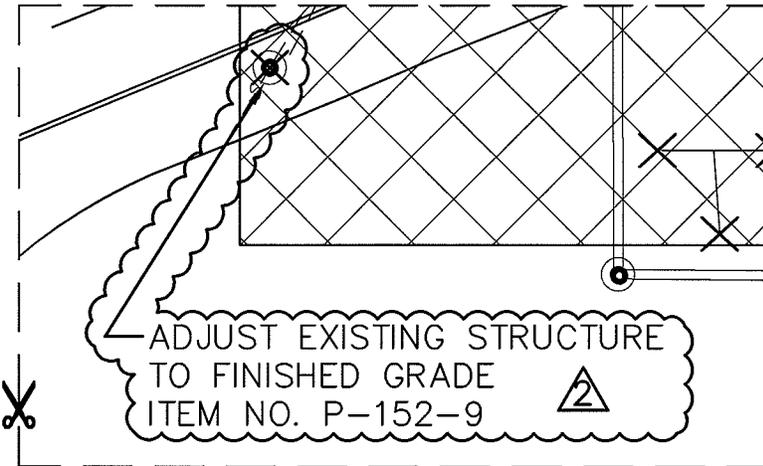
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1 OF 16

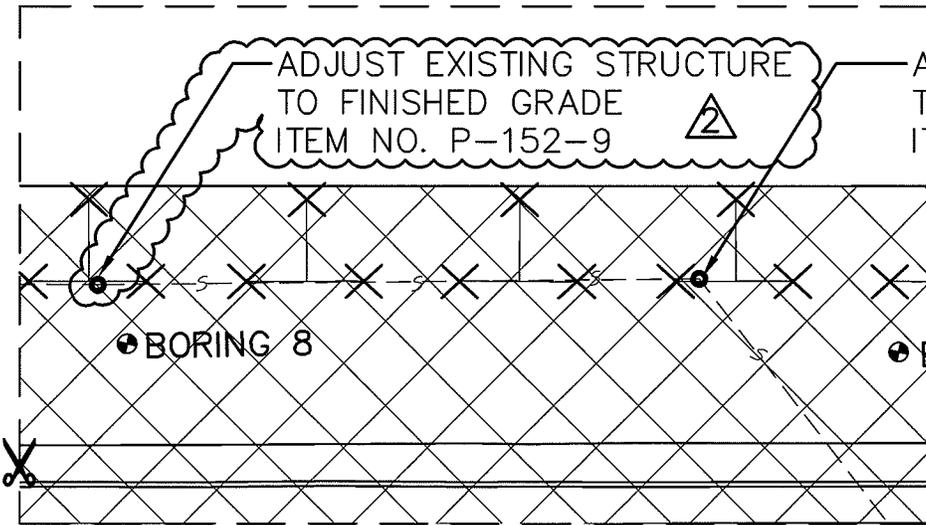
ADJUST EXISTING STRUCTURE
TO FINISHED GRADE
ITEM NO. P-152-9



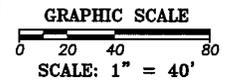
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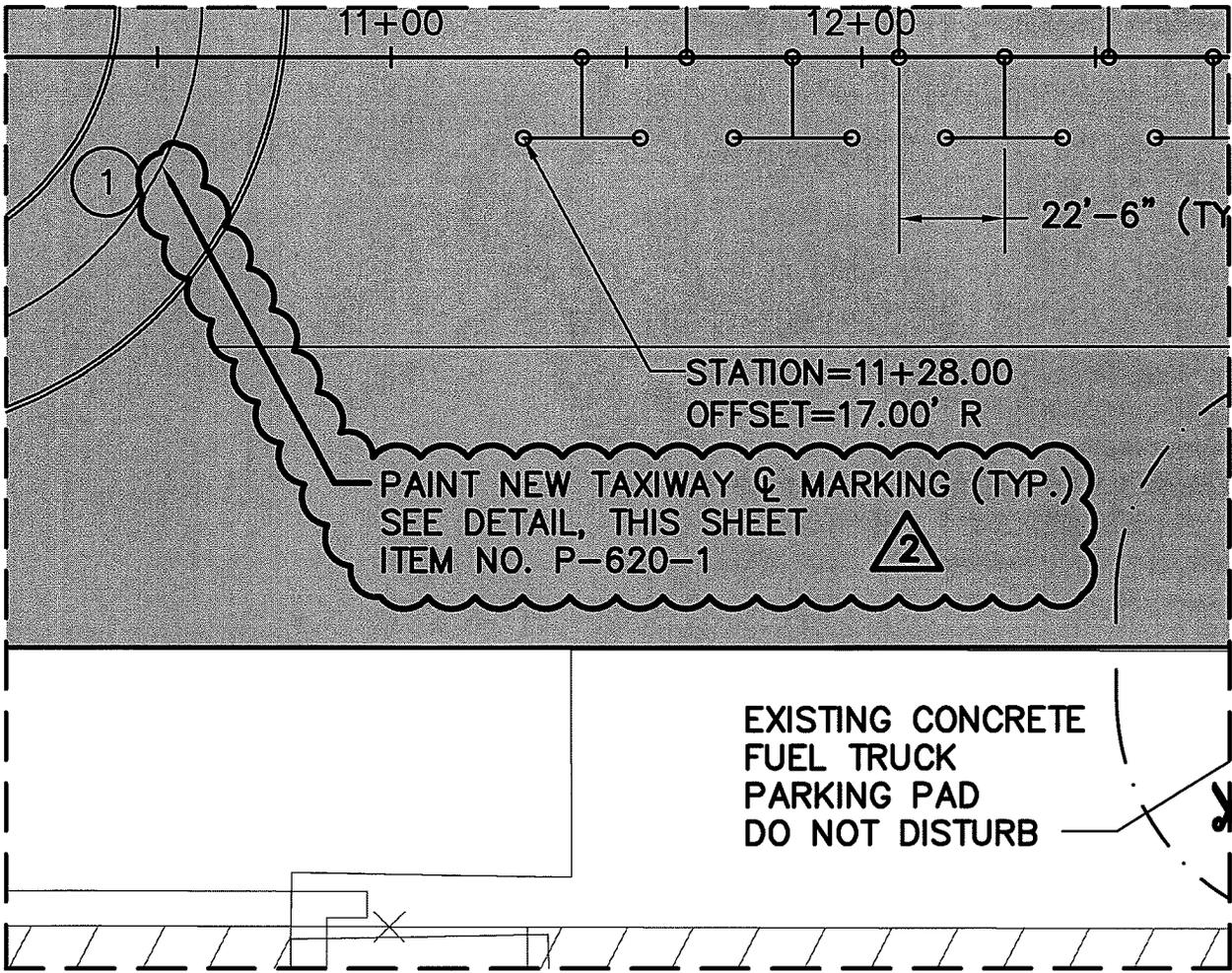


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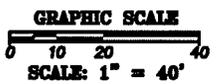
ADDENDUM NO. 2 REVISIONS TO BE INSERTED ONTO 'BID SET' DWG. NO. D1.1			
RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF) BOIRE FIELD - NASHUA MUNICIPAL AIRPORT - NASHUA, NEW HAMPSHIRE SBG NO. 12-03-2009			
PROJ. NO:	DRAWN	REVIEWED	CADD FILE
776440	NAI	BJH	776440-D11-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2
D1.1A	
2 OF 16	

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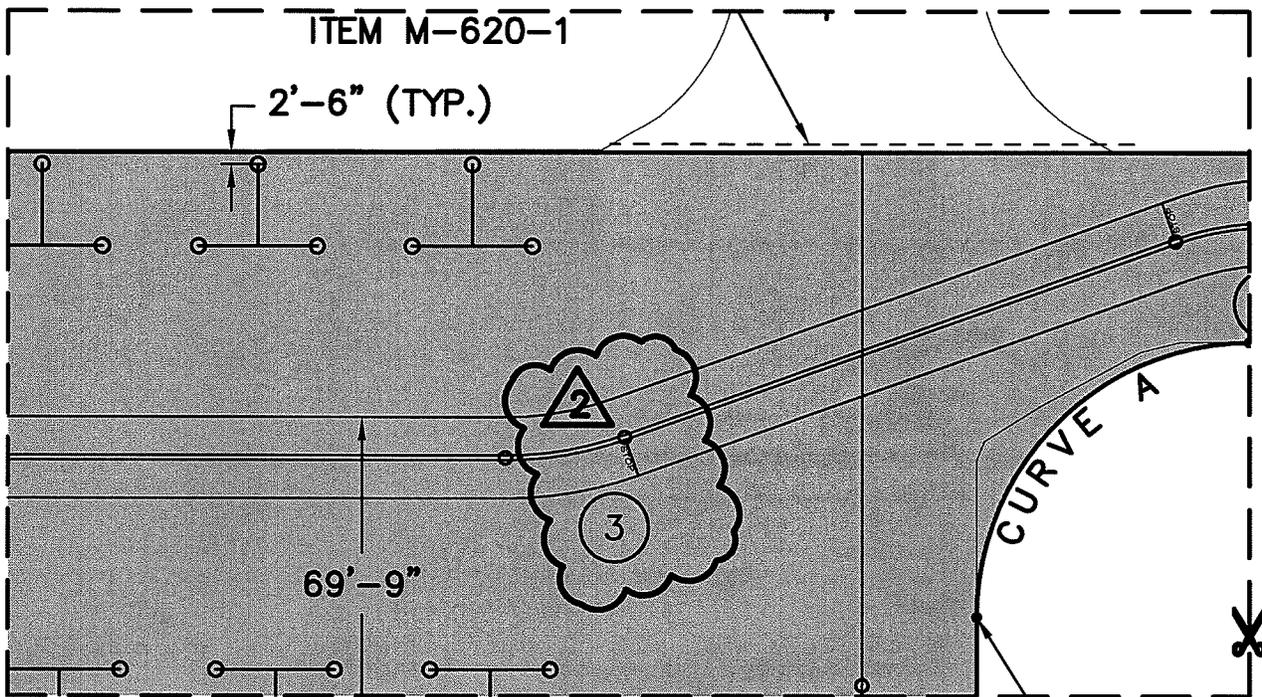


GALE
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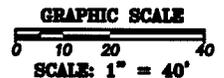
ADDENDUM NO. 2			
REVISIONS TO BE INSERTED ONTO 'BID SET' DWG. NO. C1.1			
RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF) BOIRE FIELD - NASHUA MUNICIPAL AIRPORT - NASHUA, NEW HAMPSHIRE SBG NO. 12-03-2009			
PROJ. NO:	DRAWN	REVIEWED	CADD FILE
776440	NAI	BJH	776440-C11-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2
C1.1B	
3 OF 16	

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CUT ALONG DASHED LINE AND INSERT
 ONTO APPROPRIATE 'BID SET' PLAN



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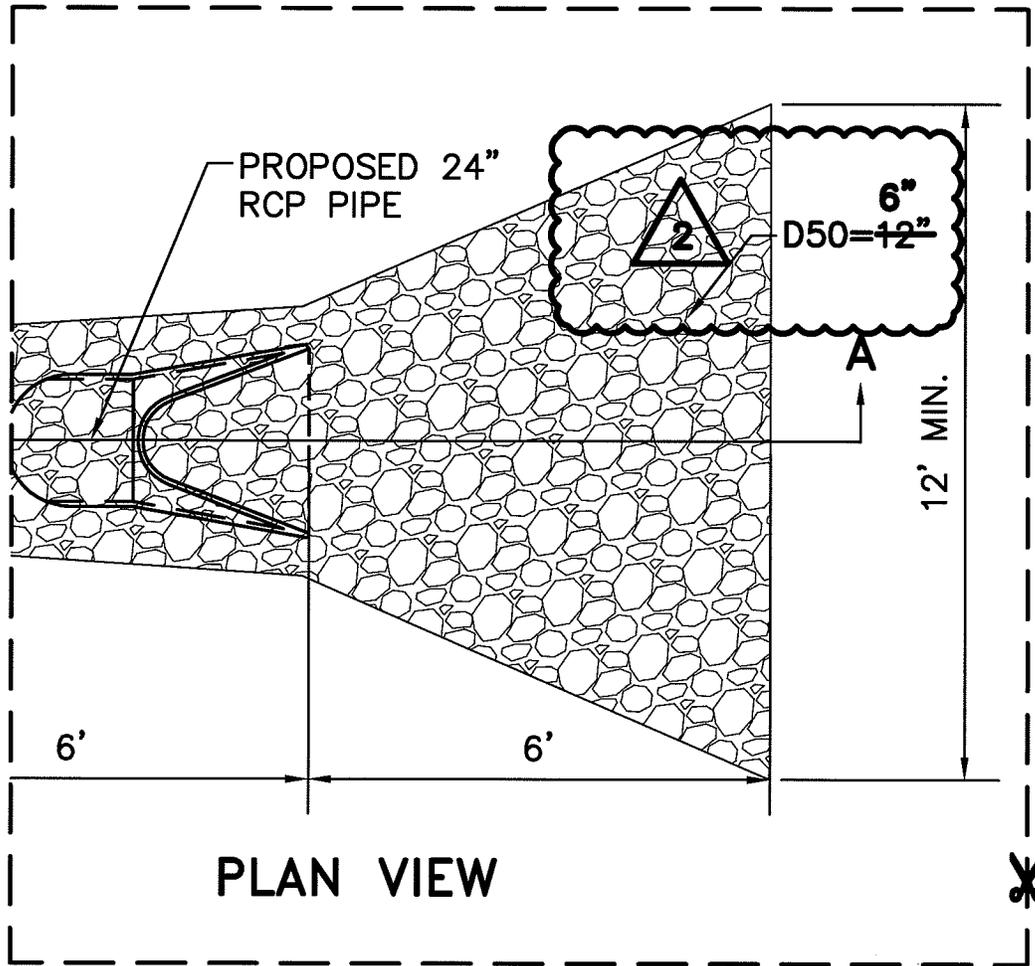
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RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF)
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PROJ. NO:	DRAWN	REVIEWED	CADD FILE
776440	NAI	BJH	776440-C11-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2

C1.1C



PLAN VIEW

**CUT ALONG DASHED LINE AND INSERT
ONTO APPROPRIATE 'BID SET' PLAN**

GRAPHIC SCALE
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NO SCALE



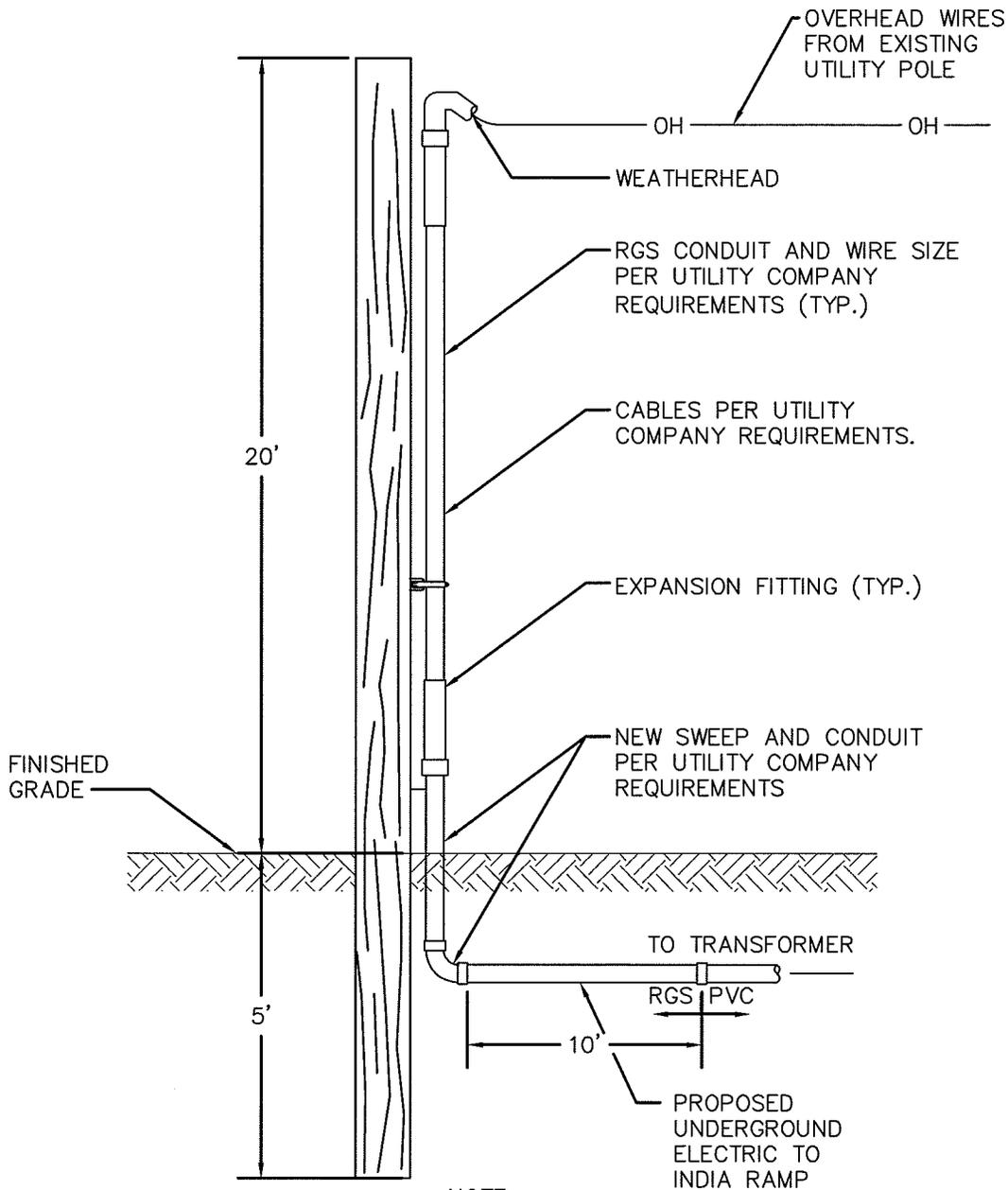
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Boston Baltimore Orlando San Francisco

ADDENDUM NO. 2 REVISIONS TO BE INSERTED ONTO 'BID SET' DWG. NO. C3.2			
RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF) BOIRE FIELD - NASHUA MUNICIPAL AIRPORT - NASHUA, NEW HAMPSHIRE SBG NO. 12-03-2009			
PROJ. NO:	DRAWN	REVIEWED	CADD FILE
776440	NAI	BJH	776440-C32-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2
C3.2C	
5 OF 16	

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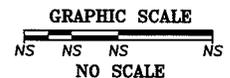


NOTE:

ALL CONDUITS AND FITTINGS TO BE SIZED PER UTILITY COMPANY REQUIREMENTS

SECONDARY LINE SERVICE RISER POLE DETAIL

N.T.S.



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REVISIONS TO BE INCLUDED WITH
"BID SET"

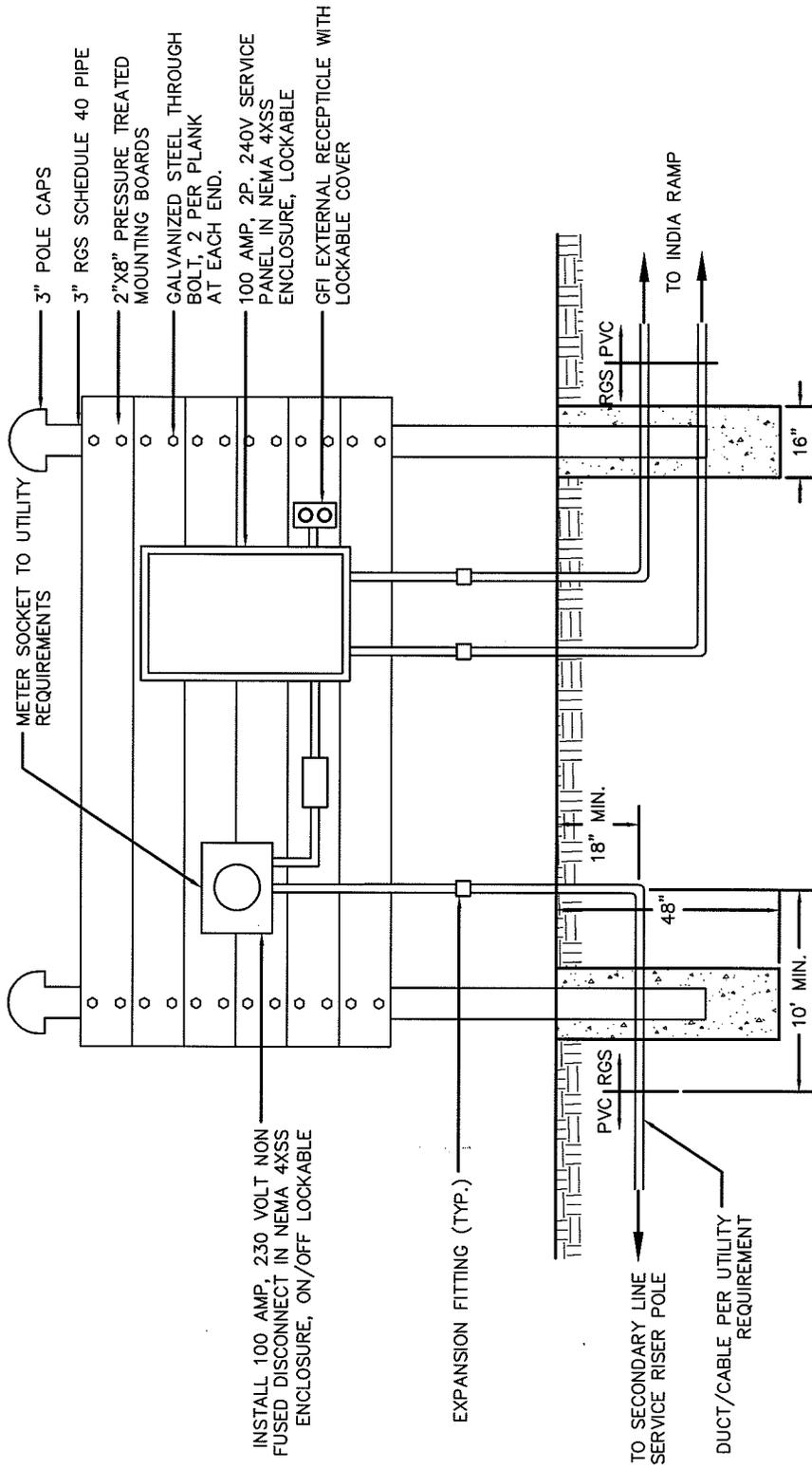
RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF)
BOIRE FIELD - NASHUA MUNICIPAL AIRPORT - NASHUA, NEW HAMPSHIRE
SBG NO. 12-03-2009

PROJ. NO:	DRAWN	REVIEWED	CADD FILE
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DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2

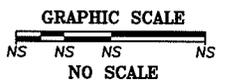
L1.3C

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SERVICE PANEL STANCHION DETAIL

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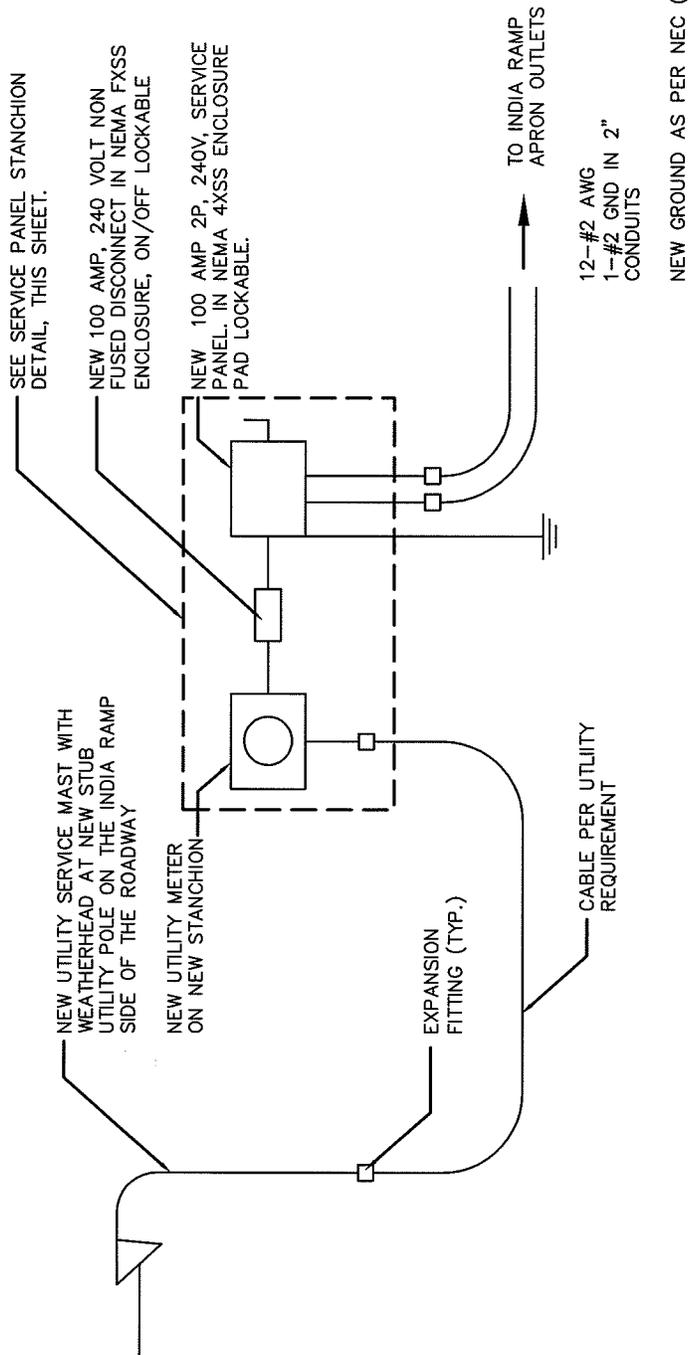


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776440	NAI	BJH	776440-L13-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2
L1.3D	
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**INDIA RAMP POWER ONE LINE
DIAGRAM**
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GRAPHIC SCALE
NS NS NS NS
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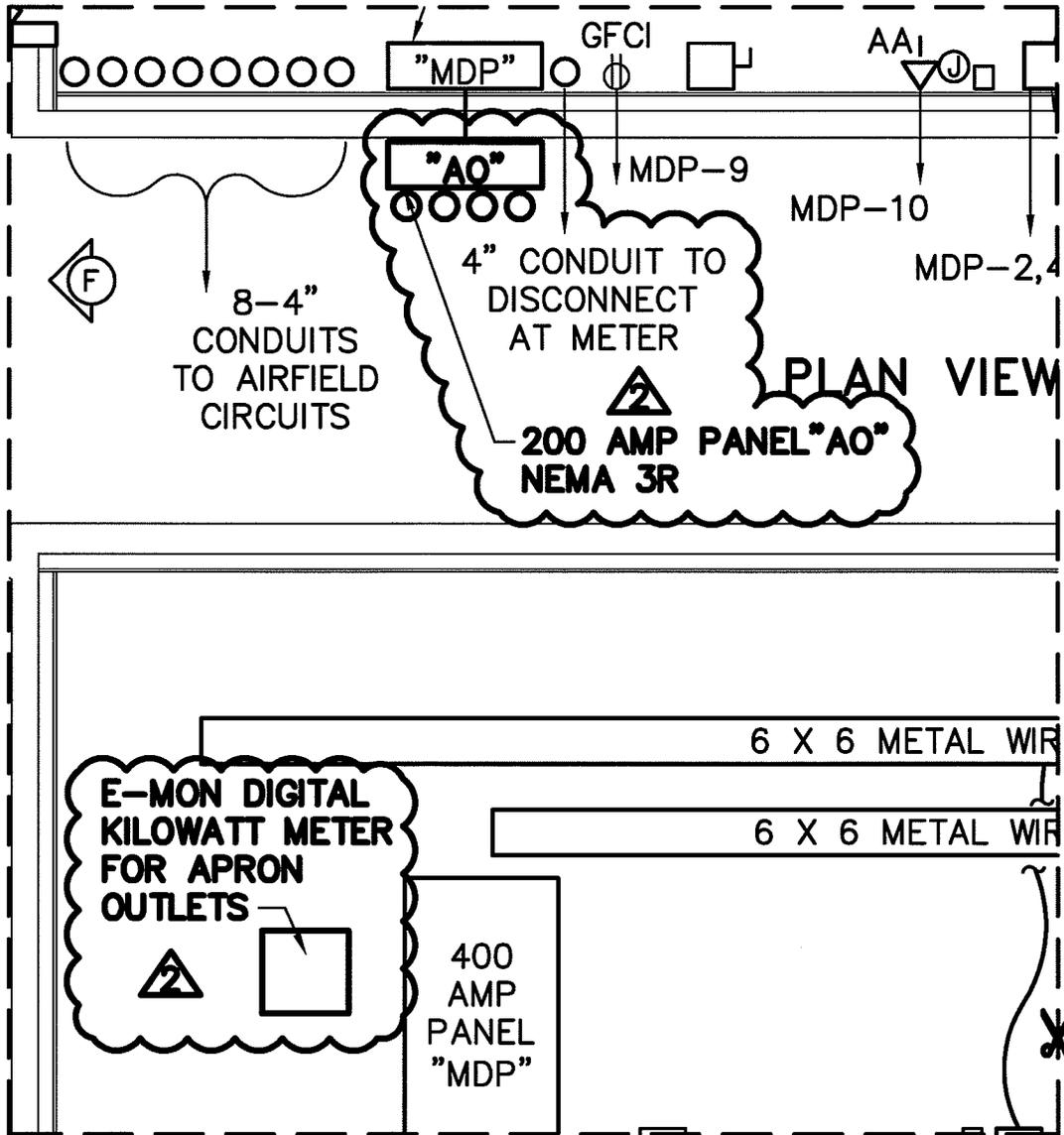
RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF)
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PROJ. NO:	DRAWN	REVIEWED	CADD FILE
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DATE:	MAY 4, 2009
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CUT ALONG DASHED LINE AND INSERT
 ONTO APPROPRIATE 'BID SET' PLAN



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ADDENDUM NO. 2 REVISIONS TO BE INSERTED ONTO 'BID SET' DWG. NO. L3.1			
RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF) BOIRE FIELD -- NASHUA MUNICIPAL AIRPORT -- NASHUA, NEW HAMPSHIRE SBG NO. 12-03-2009			
PROJ. NO:	DRAWN	REVIEWED	CADD FILE
776440	NAI	BJH	776440-L31-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2
L3.1A	
10 OF 16	

U:\76440-ASH Apron\Drawings\Plans\081-Vault-Details_ADD2.dwg, 5/4/2009 2:53:35 PM, oks

▲ LIGHTING FIXTURE/MOUNTING SCHEDULE

VAULT			
TYPE	MAKE/MODEL	LAMPING	MOUNTING
A	LITHONIA AF10-232-120-GEB10RS	2F32T8	CEILING SURFACE
B	RUUD E3507-1-P-H with ESB-7	1-70w HPS	WALL ABOVE DOOR (EXTERIOR)
C	HIGHLITES RL-9-5X with 12 WATT HALOGEN HEADS	2-12w HALOGEN	WALL, 12" BELOW CEILING TO TOP OF HEADS
APRON			
D	4-HALOPHANE SLT33500D1P4-SPCL 35' SITELINK T3 POLE, WITH HAND HOLE, P4 TENON. BLACK 16-HALOPHANE 08657-BK MOUNTING ADAPTER 16-HALOPHANE PF40LPMMTKS3KF-F2 S-64321-MEDIUM PREDITOR, 400 WATT PULSE METAL HALLIDE, 208V, BLACK		

✂ CUT ALONG DASHED LINE AND INSERT ONTO APPROPRIATE 'BID SET' PLAN

GRAPHIC SCALE
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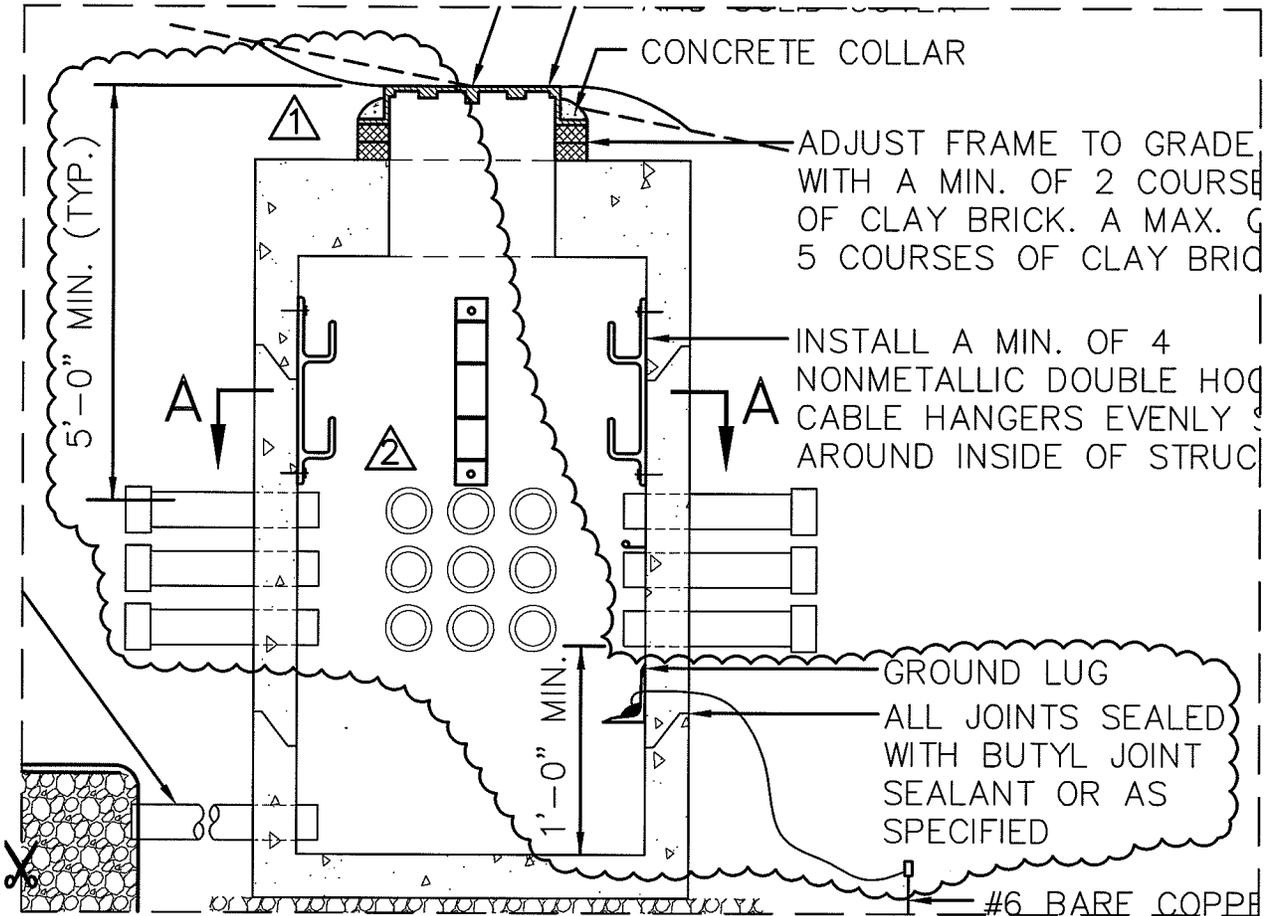
REVISIONS TO BE INSERTED
 ONTO 'BID SET' DWG. NO. L3.1

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REVISION:	ADDENDUM NO. 2

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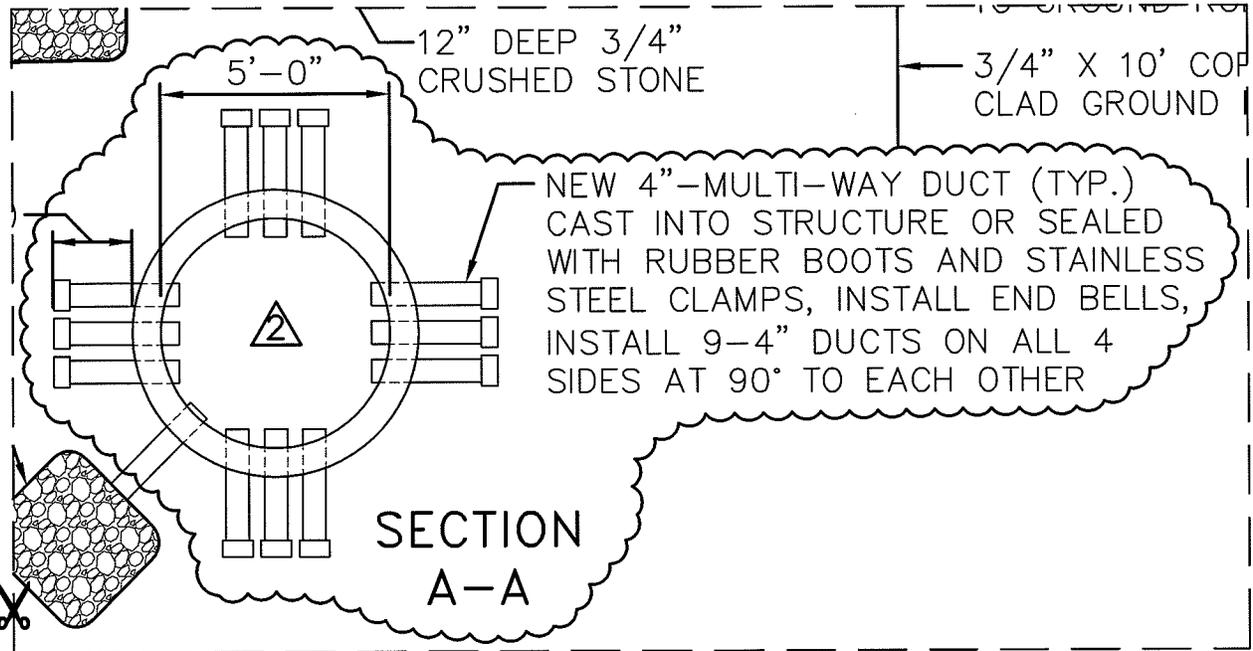
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 REVISIONS TO BE INSERTED
 ONTO 'BID SET' DWG. NO. L2.1

RECONSTRUCT TOWER APRON (APPROX. 850 LF X 250 LF)
 BOIRE FIELD - NASHUA MUNICIPAL AIRPORT - NASHUA, NEW HAMPSHIRE
 SBG NO. 12-03-2009

PROJ. NO:	DRAWN	REVIEWED	CADD FILE
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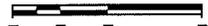
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REVISION:	ADDENDUM NO. 2

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776440	NAI	BJH	776440-L21-ADD2

DATE:	MAY 4, 2009
SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2

L2.1B

ELECTRIC MANHOLE NOTE: 

1. ALL PREFABRICATED REINFORCED CONCRETE DESIGNED AND CONSTRUCTED TO SUPPORT / CONTRACTOR IS REQUIRED TO SUBMIT SHOP TO THE ENGINEER FOR REVIEW PRIOR TO INS SHALL BE STAMPED BY A PROFESSIONAL EN
2. A GRADE RING OR BRICKS ARE REQUIRED. IF A MAXIMUM OF FOUR (4) COURSES ARE REQ OF SIX (6) INCHES TO A MAXIMUM OF TWEL
3. CONCRETE SHALL BE 4,000 PSI.

ELECTRICAL M

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REVISION:	ADDENDUM NO. 2
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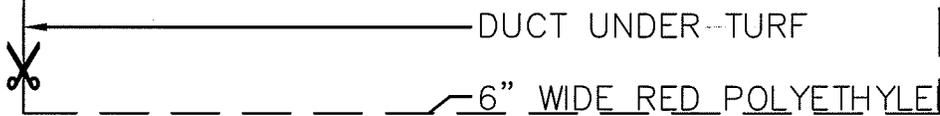
MANHOLES AND FRAME AND COVERS SHALL BE A 175,000 LB DUAL WHEEL LOAD. THE DRAWINGS AND MANUFACTURER CERTIFICATIONS SHALL BE INSTALLED. SHOP DRAWINGS FOR LOADING ENGINEER LICENSED IN NEW HAMPSHIRE.

BRICKS ARE USED A MINIMUM OF TWO (2) TO BE REQUIRED. THE GRADE RING SHALL BE A MINIMUM OF 12 (12) INCHES.



MANHOLE DETAIL

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SCALE:	AS SHOWN
REVISION:	ADDENDUM NO. 2

L2.1D

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ELECTRICAL HANDHOLE NOTES: 

1. ALL PREFABRICATED REINFORCED CONCRETE MANHOLES AND FRAME AND COVERS SHALL BE DESIGNED AND CONSTRUCTED TO SUPPORT A 175,000 LB DUAL WHEEL LOAD. THE CONTRACTOR IS REQUIRED TO SUBMIT SHOP DRAWINGS AND MANUFACTURER CERTIFICATIONS TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION. SHOP DRAWINGS FOR LOADING SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN NEW HAMPSHIRE.
2. CONCRETE SHALL BE 4,000 PSI.
3. CAST IRON MANHOLE COVER SHALL READ "ELECTRIC" AS APPROPRIATE. COVER SHALL BE NEENAH R-3493-A OR APPROVED EQUAL.
4. STONE BASE SHALL BE COMPACTED WITH VIBRATORY COMPACTOR.
5. EPOXY COATED GALVANIZED STEEL OR FIBERGLASS CABLE HOOK SUPPORTS - ALL 4 SIDES.
6. HANDHOLE COVERS AND FRAMES SHALL SHALL BE SET FLUSH WITH FINISH GRADE. USE BRICKS TO ELEVATE COVER AS NECESSARY. A MINIMUM OF 2 COURSES OF CLAY BRICK AND A MAXIMUM OF 5 COURSES OF CLAY BRICK SHALL BE REQUIRED.
7. STANDARD HANDHOLE IS CAST WITH A BOTTOM; 'OPEN TOP' HANDHOLE BOTTOM SHALL HAVE 3" DRAIN KNOCK OUT ON THE BOTTOM.
8. NEW 3/4" x 10' COPPER CLAD STEEL GROUND ROD SHALL BE PLACED 12" FROM EACH HANDHOLE.

ELECTRICAL HANDHOLE DETAIL

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GRAPHIC SCALE

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