City of Concord, New Hampshire

PURCHASING DIVISION

COMBINED OPERATIONS & MAINTENANCE FACILITY
311 NORTH STATE STREET
CONCORD, NH 03301
(603) 225-8530 FAX: (603) 230-3656
www.concordnh.gov

December 14, 2010

ADDENDUM NUMBER ONE
B18-11

RATTLESNAKE BROOK CULVERT
AND OUTFALL REPLACEMENT PROJECT
US ROUTE 3 (NORTH STATE STREET)
CONCORD, NH

TO ALL FIRMS OF RECORD: This addendum forms a part of and modifies the bidding and contract documents and technical specifications for the project named above. The following changes, additions, and clarifications are made to the original Contract Documents as a result of the Mandatory Pre-Bid Meeting:

1. **Question:** What is specified for the 4' Steel Ornamental Fence (Item 607.04)?

   Answer: A technical specification and detail has been provided in the form of a special provision.

2. **Question:** Is information related to the building demolition available?

   Answer: An Environmental Site Assessment was completed on the buildings on the site and has been made available electronically on the City's website. Please refer to the Engineering Services page on the concordnh.gov website and view the documents under the current projects tab. The reports can also be found at the following link:

   http://www.concordnh.gov/engineering/US%20Route%203%20Corridor%20North/US%20Route%203%20Corridor%20North%20Rattlesnake%20Links.asp

3. **Question:** Will the Contractor be responsible for inspection fees on this project?

   Answer: No inspection fees will be assessed on this project.

4. **Question:** Based on the site inspection, will the length of the box culvert be modified?

   Answer: Based upon the discussions at the site inspection, the length of the box culvert has been reduced to 68 LF and the construction layout plan and detail plan have been revised. See Item 603.16 on the revised bid sheets.

5. **Question:** Based on the site inspection, will the length of the 15" RCP drainage pipes connecting to the box culvert be modified?

   Answer: Based upon the discussions at the site inspection, the length of the 15" RCP drainage pipes connecting to the box culvert has been reduced to 119 LF and the construction layout plan has been revised. See Item 603.00315 on the revised bid sheets.

6. **Question:** Based on the site inspection, will the length of the 60" outlet culvert be modified?

   Answer: Based upon the discussions at the site inspection, the outlet location has been revised and the length of the 60" outlet culvert has been reduced to 86 LF. See the revised construction layout plan and detail plan. The 60" RCP outlet pipe will connect to the lower retaining wall shown on the plan. See Item 603.00360 on the revised bid sheets.

7. **Question:** Based on the site inspection, will temporary pavement be required to maintain traffic on North State Street?

   Answer: Based upon the discussions at the site inspection, the Contractor will be expected to place temporary pavement to maintain traffic on North State Street during the work as outlined in Note 3 on the Construction Layout Plan. A temporary pavement item (Item 403.99) has been added to the revised bid sheets.

8. **Question:** Based on the site inspection, will there be a pay item for the removal and replacement of the sewer manhole located adjacent to the box culvert on North State Street?

   Answer: Based upon the discussions at the site inspection, the Construction Layout Plan has been modified indicating a work item for the removal and replacement of the sewer manhole structure. A pay item for the removal, replacement and temporary maintenance of the sanitary sewer connection has been added to the revised bid sheets See Item 604.31 Sewer Manhole and Item 612.01 Temporary Sanitary Sewer Modifications.

9. **Question:** Based on the site inspection, what is the expectation to maintain traffic on this project?

   Answer: Based upon the discussions at the site inspection, the Contractor is expected to maintain a minimum of one-way alternating traffic during construction and two-way traffic during non-working hours. Contractors are expected to submit a detailed traffic control plan outlining the traffic control measures, signage and lane controls. All work associated with traffic control will be paid under Item 619.1 Maintenance of Traffic. Contractors were

advised to include details of work alternatives including night or weekend scheduled work or full roadway closure alternatives in their bid if their pricing considers anything other than that expected in the bid documents.

10. **Mandatory Pre-Bid Meeting Sign-In Sheet.** A copy of the sign-in sheet from the mandatory pre-bid meeting held on December 10, 2010 is attached for your review and records.

PLEASE BE ADVISED THAT THE CONTRACTOR MUST ACKNOWLEDGE RECEIPT OF ADDENDUM ONE ON THE BID SHEET SIGNATURE PAGE (PAGE 30).

CITY OF CONCORD, NEW HAMPSHIRE

DOUGLAS B. ROSS
PURCHASING MANAGER

RATTLESNAKE BROOK CULVERT AND OUTFALL REPLACMENT PROJECT
B18-11

December 2010

SPECIAL PROVISION

AMENDMENT TO SECTION 607 – FENCES

Add 2.7:

2.7 4' Steel Ornamental Fence.

2.7.1 Steel Ornamental fencing for this project shall be Jerith Manufacturing Company, Inc. "Industrial Fence Style #202" steel ornamental fence, rail and posts or approved equal. A sample sketch is attached.

Add 3.8:

3.8 4' Steel Ornamental Fence. The construction of steel ornamental fencing for this project shall be per the manufacturer's recommendations.

Add 4.4:

4.4 Steel fence will be measured from center to center of end post.

Add 4.5

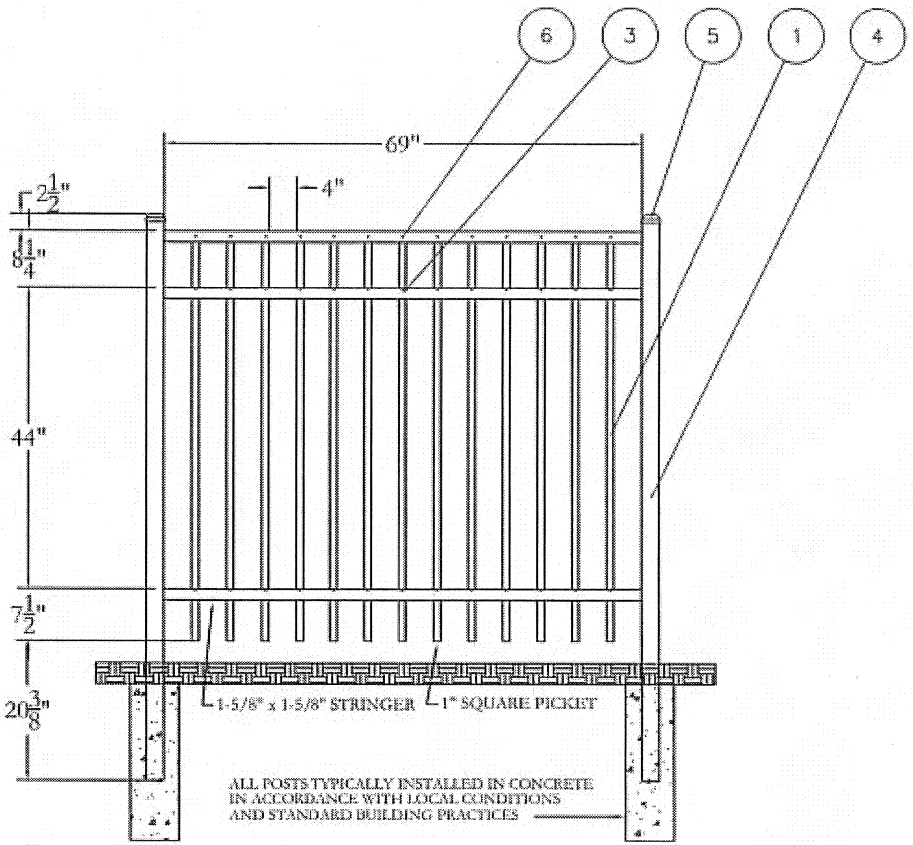
4.5 Removing existing fence will be measured by the linear foot. Measurement will be along the top of the fence for each continuous run. Removal of existing fence shall include removing existing fence, posts, post anchors, and gates and the disposal of all materials.

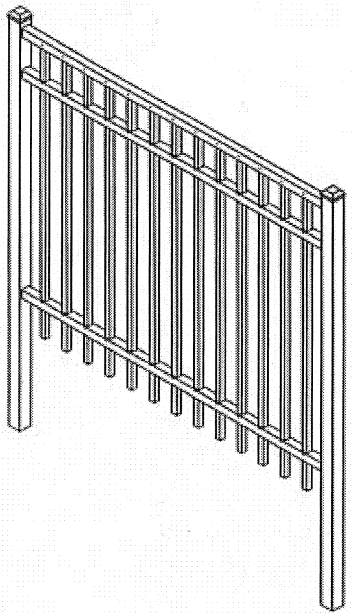
Amend to pay items and units:

607.04	4' Steel Ornamental Fence	Linear Foot

END OF SECTION

FENCE PARTS		
Name	Qty	Item
202-60 PICKET	13	1
70-1/2" - 13 HOLE IND. STRINGER	2	3
2-1/2" POST	2	4
2-1/2" ALUMINUM POST CAP	2	5
70-1/2" - 13 HOLE IND HEADER	1	6





REV	DESCRIPTION	DATE	APPROVED
-	NC	INITIAL RELEASE		

Jerith® Manufacturing Co., Inc.
Philadelphia, PA 19154
(800)344-2242

DRAWING:

INDUSTRIAL FENCE
STYLE #202 - 60" HEIGHT

SIZE	DWG NO.	REV
D	IN60U202SN	NC
SCALE	DATE 1-1-05	SHEET 1 OF 1

© 2005. This drawing may not be altered or reproduced without the permission of Jerith Manufacturing Co., Inc.

B18-11
Rattlesnake Brook Culvert and Outfall Replacement Project
US Route 3 (North State Street), Concord, NH

REVISED ITEMIZED BID SHEET – ADDENDUM #1

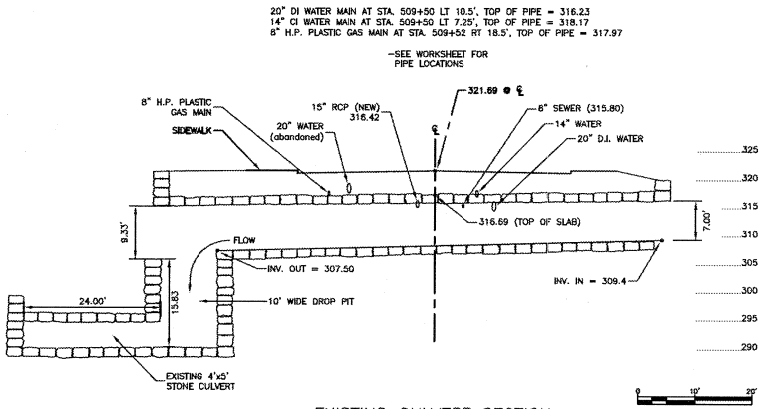
BID ITEM NO.	EST. QTY.	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE (IN WORDS)	UNIT PRICE IN FIGURES (DOLLARS AND CENTS)	BID ITEM TOTAL IN FIGURES (DOLLARS AND CENTS)
201.1	2500	SF	CLEARING AND GRUBBING _____ *DOLLARS AND* _____ CENTS		
201.21	2	EA	REMOVING SMALL TREES _____ *DOLLARS AND* _____ CENTS		
201.21	4	EA	REMOVING LARGE TREES _____ *DOLLARS AND* _____ CENTS		
202.7	115	LF	REMOVING FENCING _____ *DOLLARS AND* _____ CENTS		
203.1	1000	CY	COMMON EXCAVATION _____ DOLLARS AND _____ CENTS		
203.2	100	CY	ROCK EXCAVATION _____ DOLLARS AND _____ CENTS		
203.3	100	CY	UNCLASSIFIED EXCAVATION _____ DOLLARS AND _____ CENTS		
203.4	50	CY	MUCK EXCAVATION _____ DOLLARS AND _____ CENTS		
203.6	2850	CY	EMBANKMENT-IN-PLACE _____ DOLLARS AND _____ CENTS		
304.35	185	CY	CRUSHED GRAVEL FOR DRIVES _____ DOLLARS AND _____ CENTS		

BID ITEM NO.	EST. QTY.	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE (IN WORDS)	UNIT PRICE IN FIGURES (DOLLARS AND CENTS)	BID ITEM TOTAL IN FIGURES (DOLLARS AND CENTS)
403.11	25	TON	HOT BITUMINOUS PAVEMENT, MACHINE METHOD _____ DOLLARS AND _____ CENTS		
403.12	10	TON	HOT BITUMINOUS PAVEMENT, HAND METHOD _____ DOLLARS AND _____ CENTS		
403.99	25	TON	TEMPORARY BITUMINOUS PAVEMENT _____ DOLLARS AND _____ CENTS		
520.1	30	CY	CONCRETE CLASS A _____ DOLLARS AND _____ CENTS		
570	1	U	PRECAST CONCRETE HEADWALL _____ DOLLARS AND _____ CENTS		
583.2	100	CY	RIPRAP B _____ DOLLARS AND _____ CENTS		
583.3	20	CY	RIPRAP C _____ DOLLARS AND _____ CENTS		
586.2	140	CY	PLACING EXCAVATED ROCK FOR CHANNEL PROTECTION _____ DOLLARS AND _____ CENTS		
592.11	2100	SF	REMOVE & SALVAGE STONE BOX CULVERT _____ DOLLARS AND _____ CENTS		
592.12	1000	SF	RECONSTRUCT GRANITE RETAINING WALL _____ DOLLARS AND _____ CENTS		
603.00315	119	LF	15" REINFORCED CONCRETE PIPE, 3000D _____ DOLLARS AND _____ CENTS		

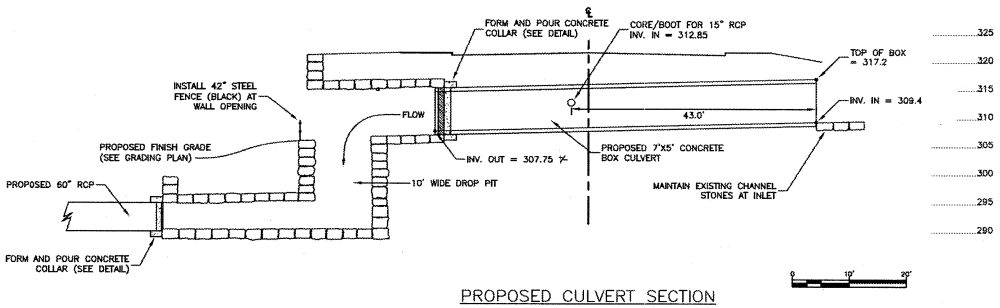
BID ITEM NO.	EST. QTY.	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE (IN WORDS)	UNIT PRICE IN FIGURES (DOLLARS AND CENTS)	BID ITEM TOTAL IN FIGURES (DOLLARS AND CENTS)
603.00360	86	LF	60" REINFORCED CONCRETE PIPE, 3000D _____ DOLLARS AND _____ CENTS		
603.16	68	LF	7' x 5' REINFORCED CONCRETE BOX CULVERT _____ DOLLARS AND _____ CENTS		
604	2	EA	CORE AND BOOT BOX CULVERT FOR 15" PIPE OPENING _____ DOLLARS AND _____ CENTS		
604.31	1	U	SANITARY SEWER MANHOLE, 4' DIAMETER _____ DOLLARS AND _____ CENTS		
604.32	2	U	DRAIN MANHOLE, 4' DIAMETER _____ DOLLARS AND _____ CENTS		
604.328	1	U	DRAIN MANHOLE, 8' DIAMETER _____ DOLLARS AND _____ CENTS		
606.140	160	LF	WOOD POST GUARDRAIL _____ DOLLARS AND _____ CENTS		
607.04	120	LF	4' STEEL ORNAMENTAL FENCE _____ DOLLARS AND _____ CENTS		
611.05216	30	LF	16" CEMENT LINED DUCTILE IRON PIPE, CL52 _____ DOLLARS AND _____ CENTS		
611.71014	2	EA	14" GATE VALVES _____ DOLLARS AND _____ CENTS		
611.91	1	EA	REMOVE WATER SERVICE _____ DOLLARS AND _____ CENTS		
612.01	1	LS	TEMPORARY SANITARY SEWER MODIFICATIONS _____ DOLLARS AND _____ CENTS		

BID ITEM NO.	EST. QTY.	UNITS	BID ITEM DESCRIPTION AND UNIT PRICE (IN WORDS)	UNIT PRICE IN FIGURES (DOLLARS AND CENTS)	BID ITEM TOTAL IN FIGURES (DOLLARS AND CENTS)
911.951	100	LF	WATER MAIN INSULATION _____ DOLLARS AND _____ CENTS		
611.90001	1	EA	REMOVE WATER GATE AND SHUTOFF _____ DOLLARS AND _____ CENTS		
618.7	300	HR	FLAGGERS _____ DOLLARS AND _____ CENTS		
619.1	1	U	MAINTENANCE OF TRAFFIC _____ DOLLARS AND _____ CENTS		
641.04	210	CY	LOAM, 4" DEEP _____ DOLLARS AND _____ CENTS		
645.531	450	LF	SILT FENCE _____ DOLLARS AND _____ CENTS		
645.7	1	U	STORMWATER POLLUTION PREVENTION PLAN _____ DOLLARS AND _____ CENTS		
645.71	1	U	MONITORING SWPPP AND EROSION CONTROL _____ DOLLARS AND _____ CENTS		
646.31	1900	SY	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS _____ DOLLARS AND _____ CENTS		
692	1	U	MOBILIZATION _____ DOLLARS AND _____ CENTS		
699	1	U	MISC. TEMPORARY EROSION AND SEDIMENT CONTROL _____ DOLLARS AND _____ CENTS		

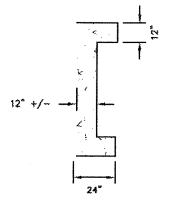
BID ITEM NO.	*EST. QTY.*	*UNITS*	*BID ITEM DESCRIPTION AND UNIT PRICE (IN WORDS)*	*UNIT PRICE IN FIGURES (DOLLARS AND CENTS)*	*BID ITEM TOTAL IN FIGURES (DOLLARS AND CENTS)*
1008	1	U	DEMOLITION OF BUILDINGS AND REMOVAL OF DEBRIS _____ DOLLARS AND _____ CENTS		
PROJECT TOTAL BASE BID PROPOSAL					



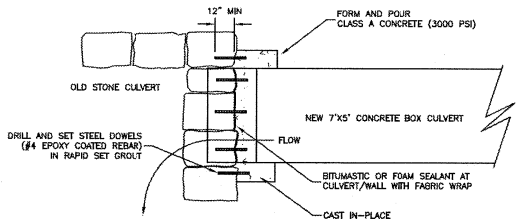
EXISTING CULVERT SECTION



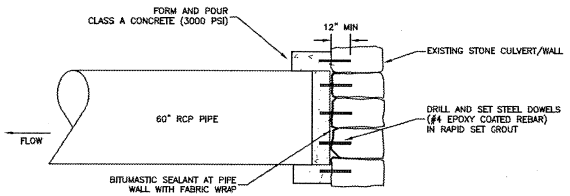
PROPOSED CULVERT SECTION



CONCRETE COLLAR



7'X5' BOX CULVERT/STONE CULVERT WALL CONCRETE COLLAR DETAIL



60" RCP/CULVERT WALL CONCRETE COLLAR SECTION DESIGN

NUMBER	DATE	DESCRIPTION
-	12/13/2010	ADDENDUM #1 REVISIONS (INCLUDING MINOR DRAFTING EDITS)

REVISIONS AFTER PROPOSAL

NUMBER	DATE	DESCRIPTION
-	-	-

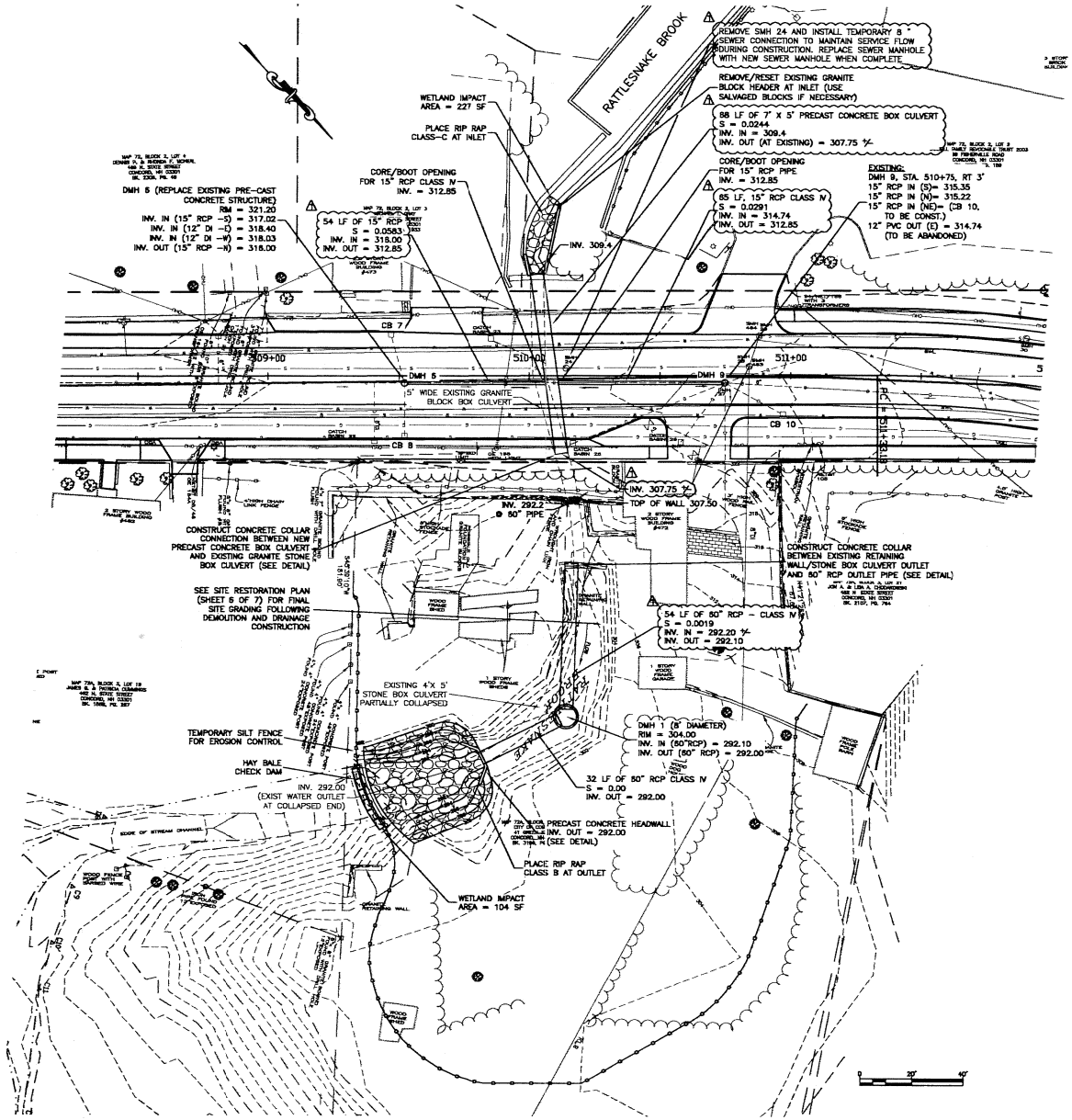
SURVEYED BY: R.D. BARTLETT & ASSOC. DATE: -
DESIGNED BY: CCC ENGINEERING DATE: 10/12/2010
DRAWN BY: SSS DATE: 10/12/2010
CHECKED BY: ELR DATE: 10/12/2010
PROJECT INFO: -

CITY OF CONCORD, N.H.

RATTLESNAKE BROOK CULVERT
AND OUTFALL REPLACEMENT PROJECT

DETAILS

FILE NAME	PROJECT NO.	SHEET NO.	TOTAL SHEETS
PHASE3.dwg	-----	7	7



GENERAL CONSTRUCTION NOTES:

1. THE INTENT OF THIS PROJECT IS TO REPLACE THE EXISTING 7'X5' STONE BOX CULVERT UNDER NORTH STATE STREET AND EXISTING 4'X5' STONE BOX CULVERT UNDER CITY PROPERTY WITH A NEW 7'X5' CONCRETE BOX CULVERT AND 86' LF OF 80" RCP PIPE.
2. THE EXISTING STONE BOX CULVERT CROSSES UNDER NORTH STATE STREET AND DROPS INTO AN EXISTING 18' ± WATER PIT TO A LOWER STONE BOX CULVERT. THE NEW BOX CULVERT WILL EXTEND FROM ITS EXISTING INLET END ON THE MILL PLACE WEST APARTMENTS SITE (479 NORTH STATE STREET) AND TERMINATE JUST UPSTREAM OF THE DROP LOCATION AS SHOWN ON THE PLAN (STA. 510+15, RT 39'). EVERY EFFORT WILL BE MADE TO LIMIT DISTURBANCE TO THE EXISTING STONE RETAINING WALL ON CITY PROPERTY.
3. THE GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION OF THE US ROUTE 3 –NORTH STATE STREET, PALM STREET TO LAKE STREET IMPROVEMENTS WILL BE RESPONSIBLE FOR ALL ROADWAY IMPROVEMENTS ON NORTH STATE STREET IN THE VICINITY OF THE CULVERT REPLACEMENT PROJECT. THE RATTLESNAKE BROOK CULVERT CONTRACTOR WILL BE RESPONSIBLE FOR THE EXCAVATION, BACKFILL AND REPLACEMENT OF ROADWAY SELECT MATERIALS INCLUDING PLACEMENT OF TEMPORARY PAVEMENT. DURING WINTER CONDITIONS, FINAL PAVEMENT RESTORATION SHALL BE TO MATCH EXISTING BINDER/BASE GRADE/2½" BASE, 2" BINDER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING 14" AND 20" WATER MAINS AS WELL AS 8" SANITARY SEWER IN NORTH STATE STREET DURING REPLACEMENT OF THE BOX CULVERT.
5. THE CONTRACTOR SHALL REMOVE AND STORE ALL OF THE GRANITE BLOCKS THAT MAKE UP THE EXISTING STONE BOX CULVERT ON THE CITY SITE. SEE SITE RESTORATION PLAN FOR FINAL DISPOSITION OF STONES.
6. FIELD CAST-IN-PLACE CONCRETE COLLARS CONNECTING THE NEW CONCRETE BOX CULVERT TO THE EXISTING STONE BOX CULVERT AT THE DROP PIT AS WELL AS THE CONNECTION BETWEEN THE EXISTING RETAINING WALL/OUTLET BOX CULVERT AND THE NEW 80" RCP OUTLET PIPE. SEE DETAILS.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING RETAINING WALLS IN THE OUTFALL AREA. INSTALLATION OF THE NEW BOX CULVERT IS NOT EXPECTED TO IMPACT THE EXISTING RETAINING WALLS. IF DISTURBANCE OF THE EXISTING WALLS IS REQUIRED TO COMPLETE THE WORK, THE CONTRACTOR WILL BE PAID UNDER ITEM 572.2 RECONSTRUCTING STONE WALL MULTIPLE STONES WIDE (SF).
8. THE MANUFACTURER OF THE CONCRETE BOX CULVERT SHALL CAST THE OPENINGS FOR THE 15" RCP PIPES ON NORTH STATE STREET. OPENINGS SHALL BE BOOTED TO ACCEPT CONCRETE PIPE.
9. IN AN EFFORT TO CONSTRUCT THE BOX CULVERT, THE CONTRACTOR MAY ELECT TO REMOVE SMH 24 AND PROVIDE TEMPORARY CONNECTION TO MAINTAIN SERVICE FLOW. ALL WORK RELATED TO THIS EFFORT SHALL BE PAID UNDER ITEM 612.01 REPLACEMENT OF THE SMH SHALL BE PAID UNDER ITEM 604.31

WETLAND IMPACT NOTES:

1. PERMANENT WETLAND IMPACTS TO CONSTRUCT INLET REPAIRS AND OUTLET AREA.
   227 SF ● INLET
   104 SF ● OUTLET
   331 SF TOTAL PERMANENT IMPACT

NUMBER	DATE	DESCRIPTION	DATE
1	12/13/2010	ADDENDUM #1: REVISIONS (INCLUDING MINOR DRAFTING EDITS)	-

REVISIONS AFTER PROPOSAL

SURVEYED BY: R.D. BARTLETT & ASSOC. DATE: -
DESIGNED BY: CCC ENGINEERING DATE: 10/12/2010
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CITY OF CONCORD, N.H.

RATTLESNAKE BROOK CULVERT
AND OUTFALL REPLACEMENT PROJECT

CONSTRUCTION LAYOUT PLAN

FILE NAME	PROJECT NO.	SHEET NO.	TOTAL SHEETS
PHASE3.dwg	-----	4	7

CITY OF CONCORD, PURCHASING DIVISION
MANDATORY PRE-BID SIGN-IN SHEET
RATTLESNAKE BROOK CULVERT AND OUTFALL REPLACEMENT PROJECT
US ROUTE 3 (NORTH STATE STREET), CONCORD, NH
BID NO. B18-11 DATE: 12.10.10 TIME: 11:00 AM

ATTENDEES

PRINTED NAME	COMPANY NAME (Representing)	TELEPHONE # (Including area code)	FAX # (Including area code)	E-MAIL
1. Dave Ross	City of Concord - Purchasing	(603) 230-3664	(603) 230-3656	dross@concordnh.gov
Mailing Address: 311 North State Street, Concord, NH 03301				
2. William Crean	Continental Paving	603-437-5387	(603) 437-5393	WCrean@paving.com (Continental)
Mailing Address: 1 Continental Dr. Londonderry NH 03053				
3. Bob Schulte	SUR Construction	603 332-4554	603 332 5189	BSchulte@surconstruction.com
Mailing Address: 233 Chestnut Hill Road Rochester NH 03867				
4. Kevin Hayes	Busby Construction Co. Inc.	603-724-7957	603-528-2525	civiltakeoffs@metrocast.net
Mailing Address: 9 Pond Lane, Atkinson, NH 03811				
5. Smith C Weldon	Greene & Russell Inc	224 4114	2246114	
Mailing Address: PO Box 987 Concord NH 03302				
6. Daniel T Ladd	Site work			
Mailing Address: 592 Londonridge Rd London N.H. 03307		496 8352		
7. Bob Gates	DBV Construction	7369100	7369101	BGates@DBV-construction.com
Mailing Address: PO Box 984 Epsom, NH 03234				

ATTENDEES

PRINTED NAME	COMPANY NAME (Representing)	TELEPHONE # (Including area code)	FAX #	E-MAIL

8. Tom Billetter American Excavating 231-4681 - 425-5193 tomb@americanexcavating.com

Mailing Address: 5 MADDEN RD. P.O. Box 1220 DERRY NH

9. NORTH HAMPTON EXCAVATING, ERIC BROSSEAU 603 944 0526 603 964 1654 ERIC@NHEXCAVATING.com

Mailing Address: 1 WOODLAND RD N. HAMPTON NH 03862

10. Bob Burns FL Merrill Const. 228-5558 228-5559 Bobatmerrill@AOL.com

Mailing Address: 619 Sand Rd Pembroke, NH

11. Candi Stockman J. Parker & Daughters (603) 435-6750 (603) 435-7620 jparker1@metrocast.net

Mailing Address: 70 Daroska Rd Pittsfield NH 03263

12. Ronald Butler R.D. EDMUNDS & Sons 603-934-4869 603-934-4980 ROBINC@METROCAST.NET

Mailing Address: 221 FRANKLIN ST, FRANKLIN, N.H. 03235.

13. TODD QUERRY HILTZ CONSTRUCTION (603) 968-3262 1-866-628-8169 TBQ@HILTZCONSTRUCTION.co

Mailing Address: P.O. Box 563, ASHLAND, NH 03217

14. Vern Gordon Gordon Const. Inc, bytheyd@comcast.net

Mailing Address: 511 South St. Bow N.H. 03304

15. William Partridge Jeremy Hiltz Excavating, Inc. (603) 968-9698 FAX (603) 968-7794 hiltzexc@gmail.com

Mailing Address: P.O. Box 1142, Ashland NH 03217

16. Lisa Green / Target Construction, LLC (603) 893-2229 - 603-890-4171

Mailing Address: 14 Pinewood Rd, Salem, NH 03079 targetwbe@aol.com

ATTENDEES

PRINTED NAME	COMPANY NAME (Representing)	TELEPHONE # (Including area code)	FAX #	E-MAIL
17. Dave Whitney	Albanese Brothers	(978) 454-8850	(978) 458-8710	dwhitney@albaneseb
Mailing Address: 28 Loon Hill Road Dracut MA 01826				
18. Jack Lyman	John H Lyman's Sons	6035244314	5270897	jack@lymanandsons.co
Mailing Address: 310 Hoyt Rd Gilford NH 03249				
19. Pete McKenney	GODWIN Pumps	860-889-2543	860-889-0673	Pete.McKenney@ Godwinpumps.com
Mailing Address: 99 Stockhouse	Bristol CT. 06337			
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12/10/10