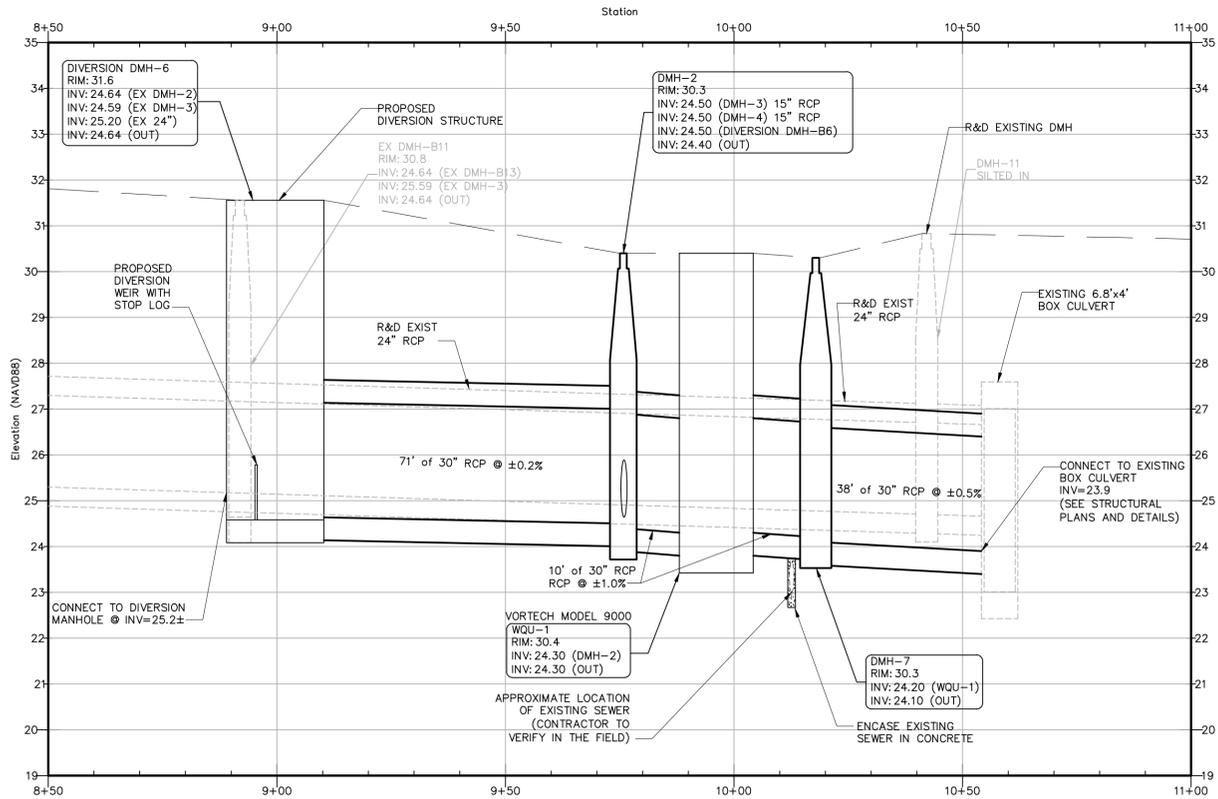


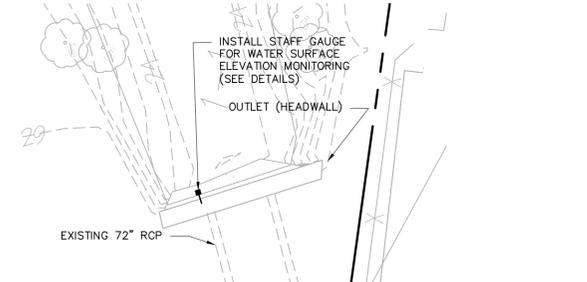
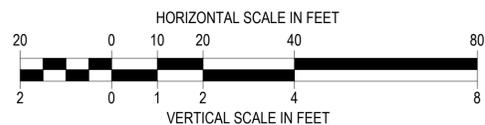
**CENTRE STREET JUNCTION - PLAN VIEW**

1"=20'



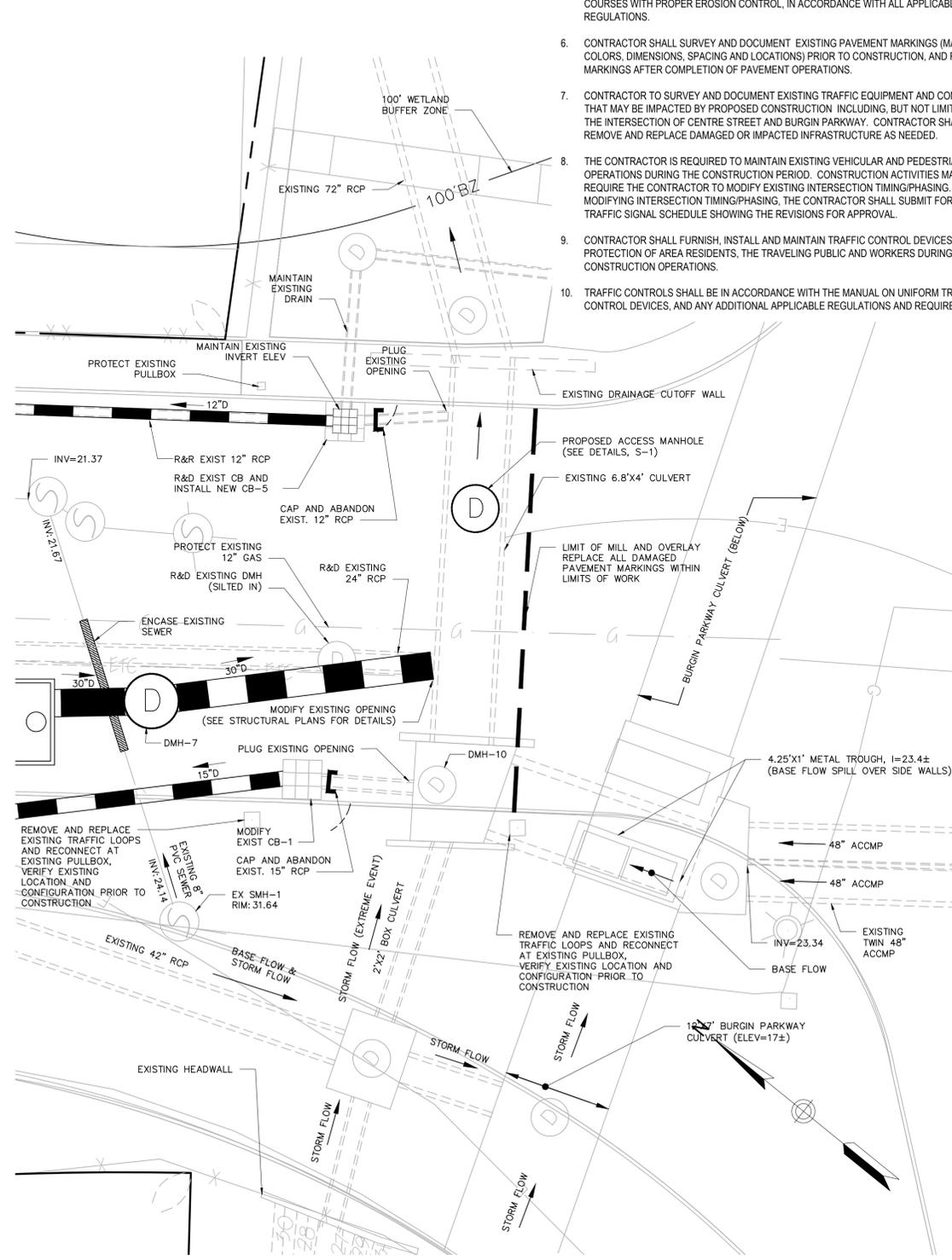
**CENTRE STREET JUNCTION - PROFILE VIEW**

1"=20' H  
1"=2' V



**72" RCP OUTLET - PLAN VIEW**

1"=10'



**CENTRE STREET JUNCTION ENLARGEMENT - PLAN VIEW**

1"=10'

**NOTES**

1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVES HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF ALL CONNECTIONS TO EXISTING UTILITIES AND, SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
2. PERMANENT SEEDING SHALL BE UNDERTAKEN IN THE SPRING FROM MARCH THROUGH MAY, AND IN LATE SUMMER AND EARLY FALL FROM AUGUST 1st TO OCTOBER 15th. DURING PEAK SUMMER MONTHS WHEN SEEDING IS FOUND TO BE IMPRACTICAL, APPROPRIATE TEMPORARY STABILIZATION SHALL BE APPLIED.
4. ANY EXCESS EXCAVATED MATERIAL MUST BE DISPOSED OF IN A SAFE AND LEGAL MANNER.
5. DRAINAGE GENERATED BY DEWATERING SHALL BE DISCHARGED TO EXISTING DRAINAGE COURSES WITH PROPER EROSION CONTROL, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
6. CONTRACTOR SHALL SURVEY AND DOCUMENT EXISTING PAVEMENT MARKINGS (MATERIALS, COLORS, DIMENSIONS, SPACING AND LOCATIONS) PRIOR TO CONSTRUCTION, AND REPLACE MARKINGS AFTER COMPLETION OF PAVEMENT OPERATIONS.
7. CONTRACTOR TO SURVEY AND DOCUMENT EXISTING TRAFFIC EQUIPMENT AND CONTROLS THAT MAY BE IMPACTED BY PROPOSED CONSTRUCTION INCLUDING, BUT NOT LIMITED TO THE INTERSECTION OF CENTRE STREET AND BURGIN PARKWAY. CONTRACTOR SHALL REMOVE AND REPLACE DAMAGED OR IMPACTED INFRASTRUCTURE AS NEEDED.
8. THE CONTRACTOR IS REQUIRED TO MAINTAIN EXISTING VEHICULAR AND PEDESTRIAN OPERATIONS DURING THE CONSTRUCTION PERIOD. CONSTRUCTION ACTIVITIES MAY ALSO REQUIRE THE CONTRACTOR TO MODIFY EXISTING INTERSECTION TIMING/PHASING. PRIOR TO MODIFYING INTERSECTION TIMING/PHASING, THE CONTRACTOR SHALL SUBMIT FOR A TRAFFIC SIGNAL SCHEDULE SHOWING THE REVISIONS FOR APPROVAL.
9. CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES FOR THE PROTECTION OF AREA RESIDENTS, THE TRAVELING PUBLIC AND WORKERS DURING CONSTRUCTION OPERATIONS.
10. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND ANY ADDITIONAL APPLICABLE REGULATIONS AND REQUIREMENTS.

**EBI Consulting**  
environmental | engineering | due diligence

21 B Street | Burlington, MA 01803  
Tel: 781.273.2500 | Fax: 781.273.3311  
www.ebiconsulting.com

PREPARED FOR:  
**City of Quincy**

1305 Hancock Street  
Quincy, MA 02169  
Tel: (617) 376-1362  
Fax: (617) 376-1097

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DRAWING SCALES NOTED ARE FOR 22" x 34" SIZE PRINTED MEDIA ONLY. ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS			
NO.	DATE	DESCRIPTION	BY

DATE: May 6, 2013  
PROJECT NUMBER: 16120008

PROJECT TITLE:  
**Town Brook Base Flow Recapture Improvements**  
Centre Street  
Quincy, Massachusetts 02169  
Norfolk County

ISSUED FOR:  
Bidding

SHEET TITLE:  
**Proposed Improvements Centre Street (North)**

SCALE: AS NOTED  
DESIGNED BY: MVG | JVC  
CHECKED BY: KPS | BKF

SHEET NO:  
**C-4.2**  
5 OF 11







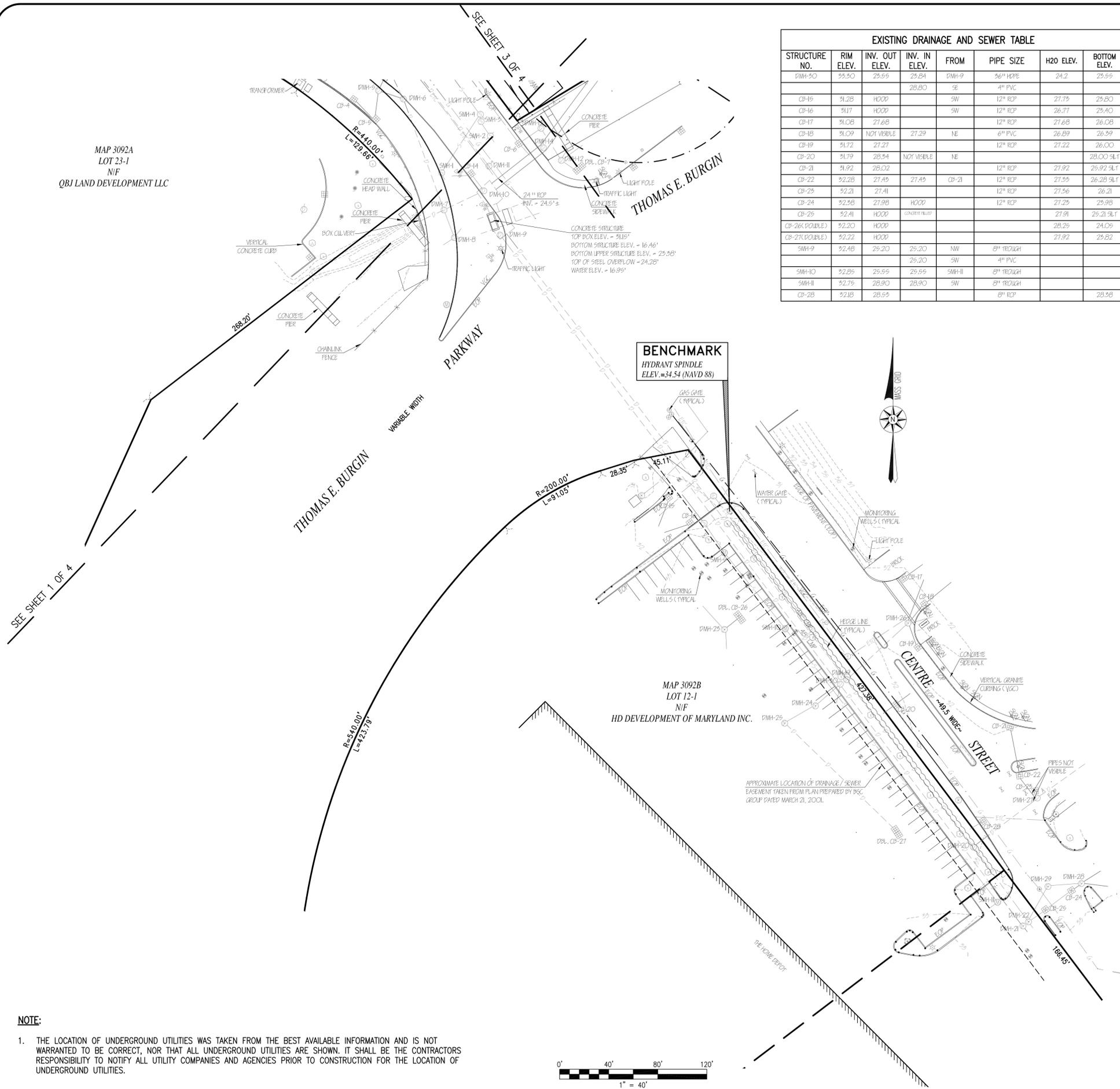








MAP 3092A  
LOT 23-1  
N/F  
QBJ LAND DEVELOPMENT LLC



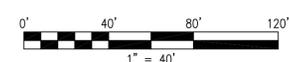
**EXISTING DRAINAGE AND SEWER TABLE**

STRUCTURE NO.	RIM ELEV.	INV. OUT ELEV.	INV. IN ELEV.	FROM	PIPE SIZE	H2O ELEV.	BOTTOM ELEV.
DMH-9	25.90	25.95	25.84	DMH-9	36" HDPE	24.2	25.95
CP-15	31.25	HOOD		SW	4" PVC	27.75	25.80
CP-16	31.7	HOOD		SW	12" RCP	26.77	25.40
CP-17	31.08	27.68			12" RCP	27.68	26.08
CP-18	31.09	NOT VISIBLE	27.29	NE	8" PVC	26.89	26.59
CP-19	31.72	27.27			12" RCP	27.22	26.00
CP-20	31.79	28.94	NOT VISIBLE	NE			28.00 SLT
CP-21	31.92	28.02			12" RCP	27.92	25.92 SLT
CP-22	32.28	27.45	27.45	CP-21	12" RCP	27.55	26.28 SLT
CP-23	32.21	27.41			12" RCP	27.56	26.21
CP-24	32.58	27.98	HOOD		12" RCP	27.25	25.98
CP-25	32.41	HOOD	CONCRETE FILLED			27.91	25.21 SLT
CP-26 (DOUBLE)	32.20	HOOD				28.25	24.05
CP-27 (DOUBLE)	32.22	HOOD				27.92	25.82
SMH-9	32.48	25.20	25.20	NW	8" TROUGH		
			25.20	SW	4" PVC		
SMH-10	32.85	25.99	25.99	SMH-11	8" TROUGH		
SMH-11	32.75	28.90	28.90	SW	8" TROUGH		
CP-28	32.18	28.55			8" RCP		28.58

**EXISTING DRAINAGE AND SEWER TABLE**

STRUCTURE NO.	RIM ELEV.	INV. OUT ELEV.	INV. IN ELEV.	FROM	PIPE SIZE	H2O ELEV.	BOTTOM ELEV.
CP-1	32.07	28.17			12" RCP		
DMH-1	31.99	27.49	26.89	CP-1			
DMH-2	32.59	24.95	25.69	DMH-1	12" RCP		
			29.49	N			
			24.95	SW	42" RCP TROUGH		
DMH-3	31.66	27.76	28.66	NW	12" RCP		
			27.76	N	12" RCP		
DMH-4	30.79	24.64	29.59	DMH-3	12" RCP		
			24.64	DMH-2	42" RCP TROUGH		
CP-2	31.58						
CP-3	30.97	26.32			12" RCP		
CP-4	29.82	27.17			12" RCP		
CP-5	29.99	26.59	26.44	CP-4	12" RCP		
DMH-5	30.42	26.62	26.62	CP-5	12" RCP		
			29.82	CP-3	12" RCP		
DMH-6	30.99	25.66		N/A	DMH-5	12" RCP	
			25.66	DMH-4	42" RCP TROUGH		
SMH-1	31.64	24.14			8" PVC FLOW LINE		
SMH-2	30.16	25.88	ABANDONED		8" PVC FLOW LINE		
SMH-3	30.20	25.59	25.59	SMH-2	12" RCP FLOW LINE		
SMH-4	30.22	21.57	25.02	SMH-3	18" RCP		
			21.67	SMH-1	8" PVC		
			21.57	SE	15" RCP FLOWLINE		
DMH-7	31.40	25.61	25.61	DMH-6	42" RCP TROUGH		
DMH-8	31.74	25.56	25.56	DMH-7	CL. TROUGH		
BOX CULVERT		26.89			24" x 24" RCP		
DMH-9	31.20	25.54	25.54	SE	48" CMP		
			24.5		WATER LEVEL		
DMH-10	29.76	24.26			WATER LEVEL 72" RCP	25.46	22.95
			24.26	NW	15" RCP		
			29.24	DMH-9	48" CMP		
			29.99	BOX CULVERT	24" x 24" BOX CULVERT		
DMH-11	29.82				SLT 2" IN		
CP-6	29.70	24.55	24.65	CP-15	12" RCP	24.20	25.50
CP-7 (DOUBLE)	30.12	28.52			12" RCP		
DMH-12	31.53	28.49	28.59	CP-7	12" CI	25.25	21.89
			28.59	NE	12" CI		
			28.58	FROM ABOVE	8" CI		
DMH-13	32.40	28.40	28.52	CP-6	12" CI	28.20	27.90
DMH-14	31.51	29.22	29.22	DMH-10	72" RCP	25.41	22.01
DMH-15	32.65	26.55	26.95	NW	24" RCP TROUGH	28.05	27.94
			27.88	CP-11	12" RCP		
DMH-16	32.32		29.12	CP-8	12" RCP	28.42	26.12 SLT
			29.02		10" CLAY		
DMH-17	35.58		28.18	CP-7	12" RCP	28.08	27.58
			28.18	DMH-13	12" RCP		
DMH-18	35.02		HOOD	DMH-2	12" RCP	27.72	26.52
			27.67	DMH-7	12" RCP		
CP-7	32.18	28.58		DMH-17	12" RCP		31.78
			28.58	NW	12" RCP		
			30.48	SW	6" CLAY		
CP-8	32.17	29.52		DMH-16	12" RCP	27.17	31.78
CP-9	31.29	29.09		DMH-3	12" RCP		31.78
CP-10	31.75			DMH-3			
CP-11	35.09	HOOD		DMH-15	12" RCP	29.59	27.49
			30.49	CP-12	8" CLAY		
CP-12	32.78	29.58		CP-11	8" CLAY	30.08	29.48
CP-13	30.85	27.78		CP-6	12" RCP	27.85	27.05
SMH-5	35.09	22.55	22.55	NW	10" RCP TROUGH		
SMH-6	32.25	22.85	22.85	SMH-7	10" RCP TROUGH		
			25.08	SW	8" PVC		
SMH-7	31.05	21.25	21.25	NE	18" RCP		
			21.40	SMH-8	12" RCP		
SMH-8	32.27	22.61	22.75	WE-5T	12" RCP		
CP-14	29.92	28.72	28.00	NW	15" RCP	28.62	24.62 SLT
DMH-19	35.22	25.57	25.57	NW	48" CMP TROUGH	24.72	25.57
			25.30	15" RCP			
DMH-20	35.25	25.75	25.75	DMH-19	48" CMP TROUGH		
			24.57	DMH-26	36" RCP		
DMH-21	32.54		24.04	DMH-20	48" CMP	24.59	24.01
DMH-22	32.52		25.95	DMH-20	48" CMP	24.57	25.95
			27.02	CP-25	CONCRETE FILLED PIPE		
DMH-23	32.45	26.58	27.95	DBL. CP-26	12" HDPE		26.55
			26.54	NW	12" HDPE		
DMH-24	32.96	25.26	25.55	DMH-20	30" HDPE	24.06	16.66 SLT
DMH-25	32.95	25.95	25.95	DMH-24	30" HDPE	24.55	24.05
DMH-26	31.49	25.54	25.74	NE	12" RCP		24.94
			26.64	CP-19	12" RCP		
			26.79	NE	12" RCP		
			26.54	CP-18	12" RCP		
DMH-27	32.99	(A) 25.99				24.89	25.19
DMH-28	32.64	26.79	27.16	NE	12" RCP		27.14
			28.19	SE	12" RCP		
			30.14	CP-24			
			27.24	PIPE RIGIDLY	12" RCP		
DMH-29	32.47	29.67	29.77	DMH-28	12" RCP	29.67	22.87

**NOTE:**  
1. THE LOCATION OF UNDERGROUND UTILITIES WAS TAKEN FROM THE BEST AVAILABLE INFORMATION AND IS NOT WARRANTED TO BE CORRECT, NOR THAT ALL UNDERGROUND UTILITIES ARE SHOWN. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND AGENCIES PRIOR TO CONSTRUCTION FOR THE LOCATION OF UNDERGROUND UTILITIES.



REVISIONS

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**THOMPSON FARLAND**  
PROFESSIONAL ENGINEERS // LAND SURVEYORS  
www.ThompsonFarland.com

(MAIN OFFICE) 398 COUNTY STREET, NEW BEDFORD, MA 02740 P. 508.217.3479  
NEW BEDFORD | TAUNTON | CAMBRIDGE | MARLBOROUGH

---

DRAWN BY: MOB/SMB

CHECKED BY: BJM

---

**EXISTING CONDITIONS**

**TOWN BROOK ENHANCEMENT PROJECT**  
**QUINCY, MASSACHUSETTS**

PREPARED FOR:  
EBI CONSULTING  
51 SLEEPER STREET, SUITE 600  
BOSTON, MA 02210

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JANUARY 14, 2013

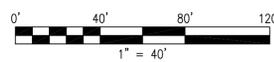
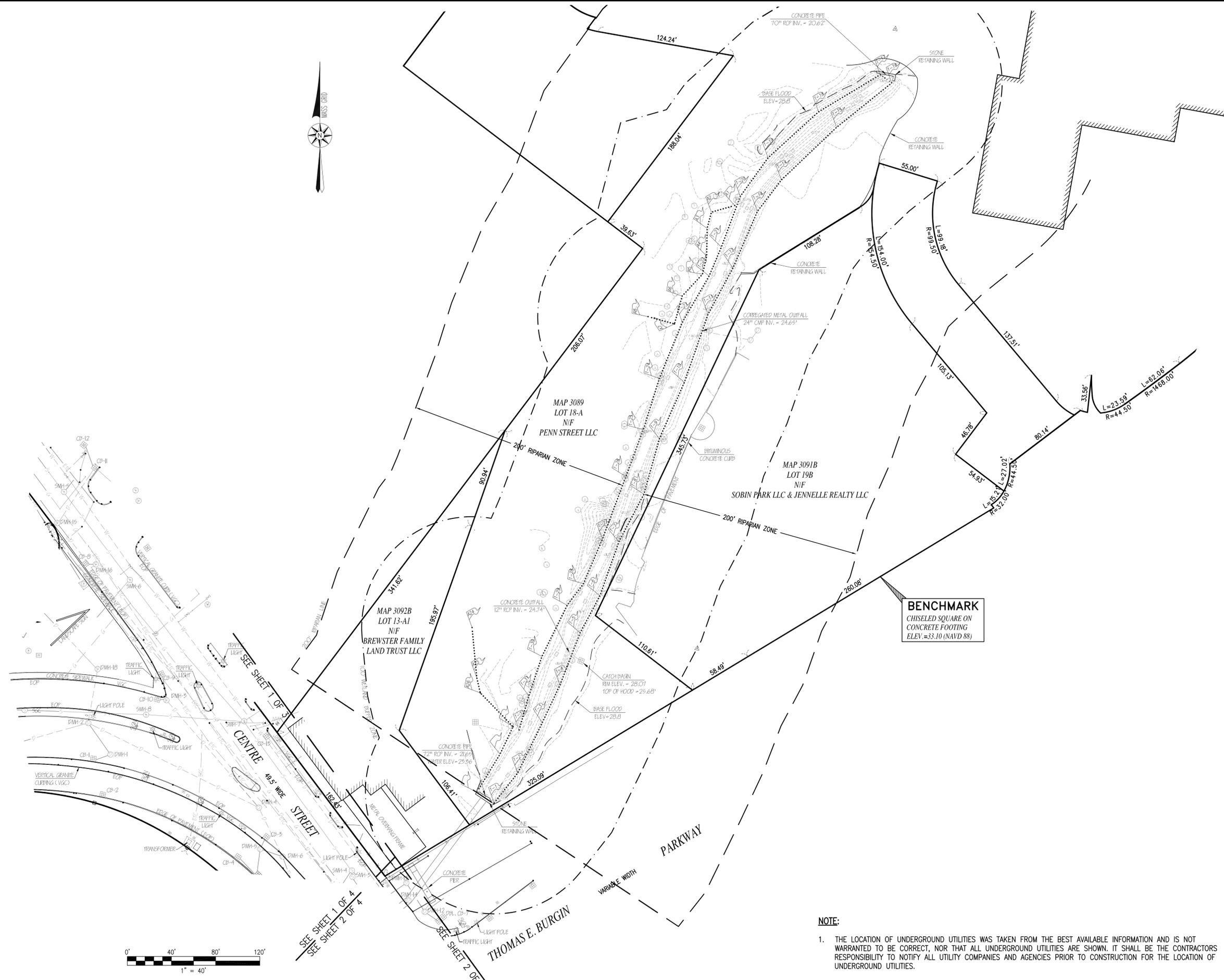
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JOB NO. 12-1189

LATEST REVISION:  
APRIL 2, 2013

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SHEET 2 OF 4



**NOTE:**

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REVISIONS

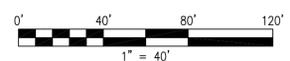
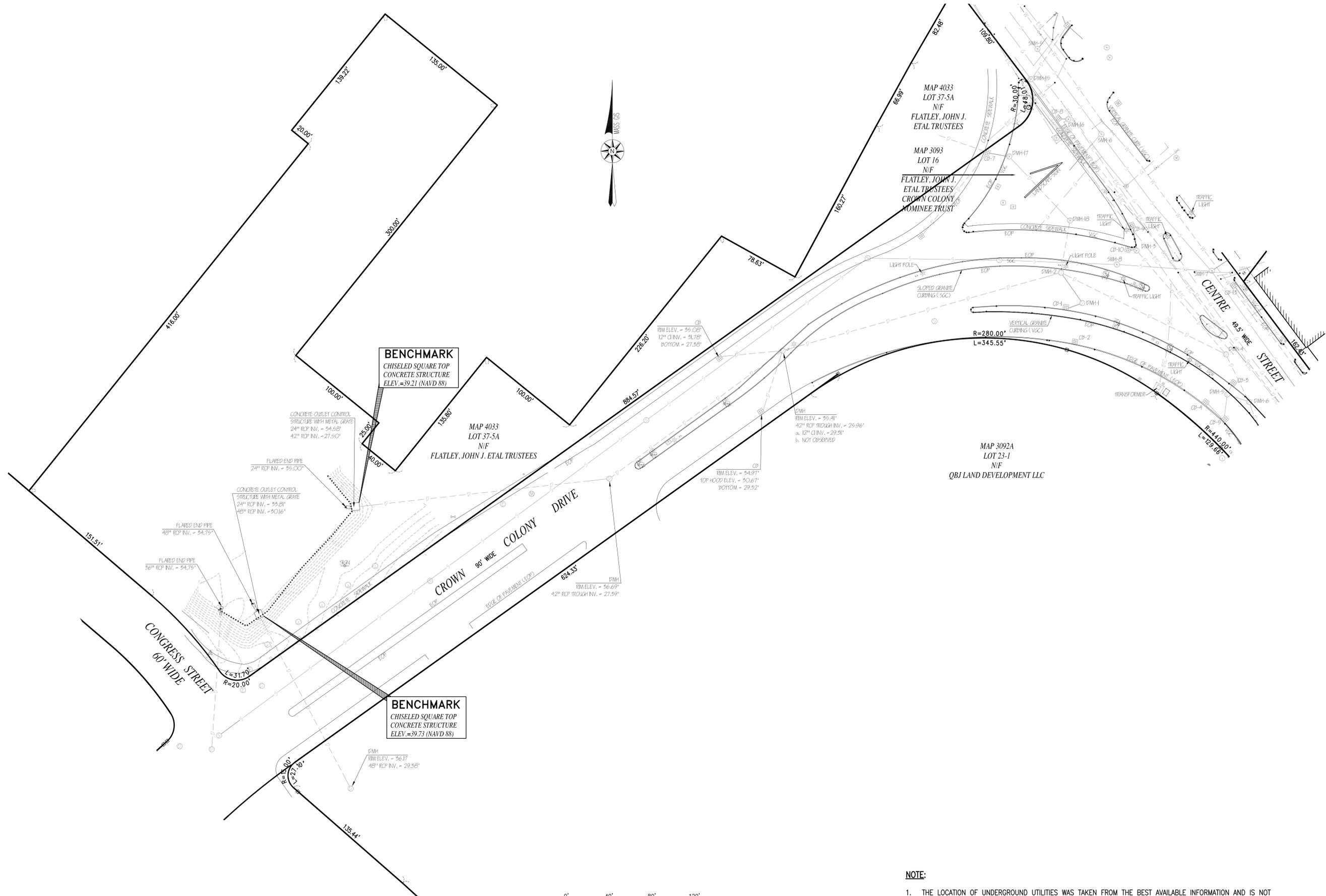



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DRAWN BY: MOB/SMB  
 CHECKED BY: BJM

**EXISTING CONDITIONS**  
 TOWN BROOK ENHANCEMENT PROJECT  
 QUINCY, MASSACHUSETTS  
 PREPARED FOR:  
 FBI CONSULTING  
 51 SLEEPER STREET, SUITE 600  
 BOSTON, MA 02210

JANUARY 14, 2013  
 SCALE: 1"=40'  
 JOB NO. 12-1189  
 LATEST REVISION:  
 APRIL 2, 2013



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REVISIONS

NO.	DATE	DESCRIPTION



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 NEW BEDFORD | TAUNTON | CAMBRIDGE | MARLBOROUGH

DRAWN BY: MOB/SMB

CHECKED BY: BJM

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 TOWN BROOK ENHANCEMENT PROJECT  
 QUINCY, MASSACHUSETTS  
 PREPARED FOR:  
 EBI CONSULTING  
 51 SLEEPER STREET, SUITE 600  
 BOSTON, MA 02210

JANUARY 14, 2013  
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