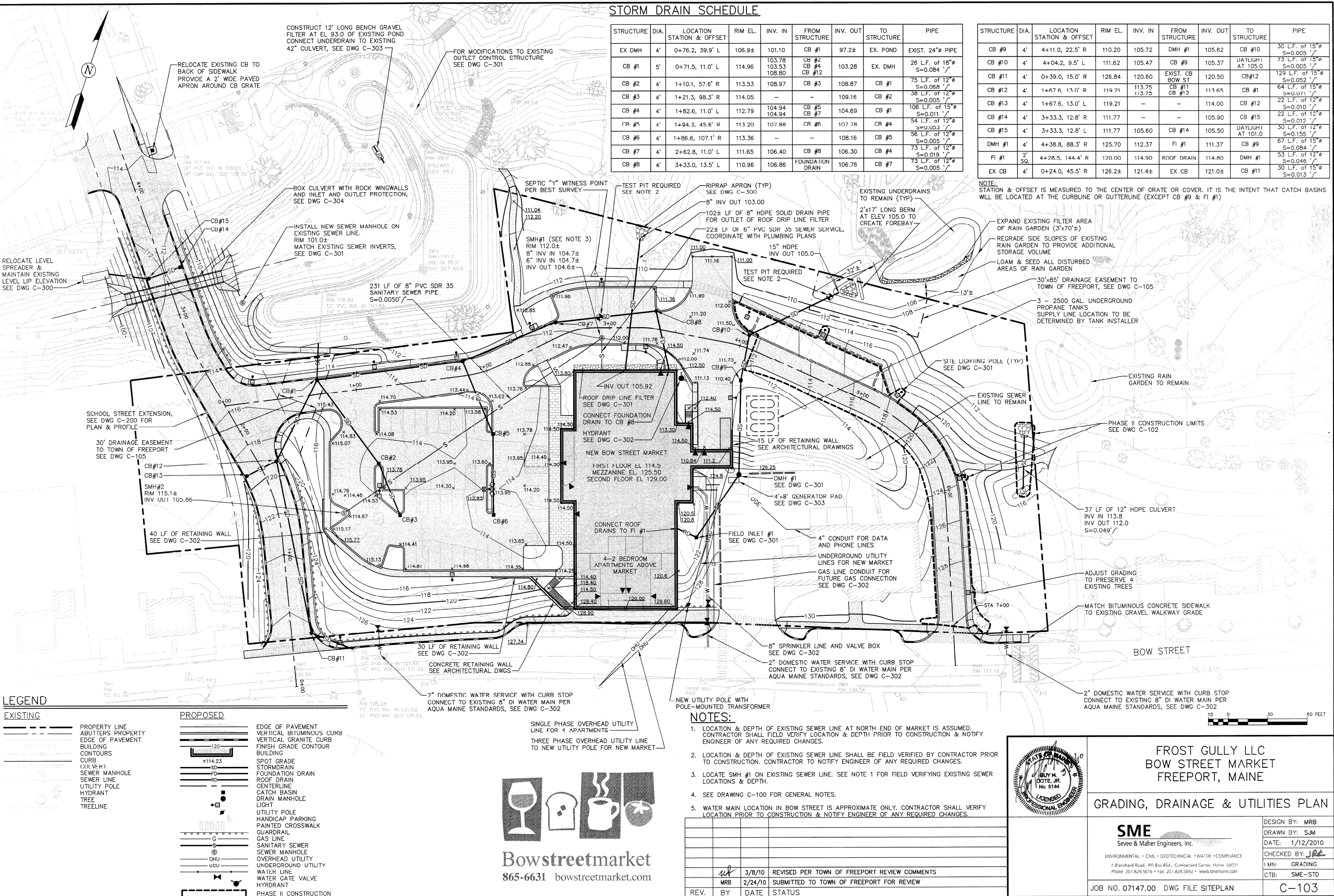




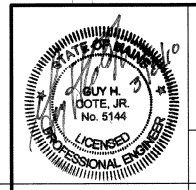
**LEGEND**  
**EXISTING**  
--- PROPERTY LINE  
--- ABUTTERS PROPERTY  
--- EDGE OF PAVEMENT  
--- BUILDING  
--- CONTOURS  
--- CURB  
--- CULVERT  
--- SEWER MANHOLE  
--- SEWER LINE  
--- UTILITY POLE  
--- HYDRANT  
--- TREE  
--- TREELINE

**PROPOSED**  
--- 120  
--- x114.23  
--- SD  
--- FD  
--- RD  
--- SPOT GRADE  
--- STORM DRAIN  
--- FOUNDATION DRAIN  
--- ROOF DRAIN  
--- CENTERLINE  
--- CATCH BASIN  
--- DRAIN MANHOLE  
--- LIGHT  
--- UTILITY POLE  
--- HANDICAP PARKING  
--- PAINTED CROSSWALK  
--- GUARDRAIL  
--- GAS LINE  
--- SANITARY SEWER  
--- SEWER MANHOLE  
--- OVERHEAD UTILITY  
--- UNDERGROUND UTILITY  
--- WATER LINE  
--- WATER GATE VALVE  
--- HYDRANT  
--- PHASE II CONSTRUCTION

**Bowstreetmarket**  
865-6631 bowstreetmarket.com

**NOTES:**  
1. LOCATION & DEPTH OF EXISTING SEWER LINE AT NORTH END OF MARKET IS ASSUMED. CONTRACTOR SHALL FIELD VERIFY LOCATION & DEPTH PRIOR TO CONSTRUCTION & NOTIFY ENGINEER OF ANY REQUIRED CHANGES.  
2. LOCATION & DEPTH OF EXISTING SEWER LINE SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER OF ANY REQUIRED CHANGES.  
3. LOCATE SMH #1 ON EXISTING SEWER LINE. SEE NOTE 1 FOR FIELD VERIFYING EXISTING SEWER LOCATIONS & DEPTH.  
4. SEE DRAWING C-100 FOR GENERAL NOTES.  
5. WATER MAIN LOCATION IN BOW STREET IS APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION & NOTIFY ENGINEER OF ANY REQUIRED CHANGES.

| REV. | BY  | DATE    | STATUS                                       |
|------|-----|---------|----------------------------------------------|
| 1    | MRB | 3/8/10  | REVISED PER TOWN OF FREEPORT REVIEW COMMENTS |
| 2    | MRB | 2/24/10 | SUBMITTED TO TOWN OF FREEPORT FOR REVIEW     |
| 3    |     |         |                                              |
| 4    |     |         |                                              |
| 5    |     |         |                                              |
| 6    |     |         |                                              |
| 7    |     |         |                                              |
| 8    |     |         |                                              |
| 9    |     |         |                                              |
| 10   |     |         |                                              |



**FROST GULLY LLC**  
**BOW STREET MARKET**  
**FREEPORT, MAINE**

**GRADING, DRAINAGE & UTILITIES PLAN**

**SME**  
Sevee & Maher Engineers, Inc.  
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE  
4 Blandford Road, PO Box 85A, Cumberland Center, Maine 04071  
Phone 207.829.5016 • Fax 207.829.5692 • www.smeinc.com

DESIGN BY: MRB  
DRAWN BY: SUM  
DATE: 1/12/2010  
CHECKED BY: JRL  
I MN: GRADING  
CTB: SME-STD

JOB NO. 07147.00 DWG FILE SITEPLAN  
**C-103**

**STORM DRAIN SCHEDULE**

| STRUCTURE | DIA. | LOCATION<br>STATION & OFFSET | RIM EL. | INV. IN                    | FROM<br>STRUCTURE        | INV. OUT | TO<br>STRUCTURE | PIPE                            |
|-----------|------|------------------------------|---------|----------------------------|--------------------------|----------|-----------------|---------------------------------|
| EX DMH    | 4'   | 0+76.2, 39.9' L              | 106.9±  | 101.10                     | CB #1                    | 97.2±    | EX. POND        | EXIST. 24"Ø PIPE                |
| CB #1     | 5'   | 0+71.5, 11.0' L              | 114.96  | 103.78<br>103.53<br>108.80 | CB #2<br>CB #4<br>CB #12 | 103.28   | EX. DMH         | 26 L.F. of 18"Ø<br>S=0.084' /'  |
| CB #2     | 4'   | 1+10.1, 57.6' R              | 113.53  | 108.97                     | CB #3                    | 108.87   | CB #1           | 75 L.F. of 12"Ø<br>S=0.068' /'  |
| CB #3     | 4'   | 1+21.3, 98.3' R              | 114.05  | -                          | -                        | 109.16   | CB #2           | 38 L.F. of 12"Ø<br>S=0.005' /'  |
| CB #4     | 4'   | 1+82.6, 11.0' L              | 112.79  | 104.94<br>104.94           | CB #5<br>CB #7           | 104.69   | CB #1           | 106 L.F. of 15"Ø<br>S=0.011' /' |
| CR #5     | 4'   | 1+94.3, 45.6' R              | 113.20  | 107.88                     | CB #6                    | 107.78   | CB #4           | 54 L.F. of 12"Ø<br>S=0.053' /'  |
| CB #6     | 4'   | 1+86.6, 107.1' R             | 113.36  | -                          | -                        | 108.16   | CB #5           | 56 L.F. of 12"Ø<br>S=0.005' /'  |
| CB #7     | 4'   | 2+62.8, 11.0' L              | 111.65  | 106.40                     | CB #8                    | 106.30   | CB #4           | 73 L.F. of 12"Ø<br>S=0.019' /'  |
| CB #8     | 4'   | 3+33.0, 13.5' L              | 110.96  | 106.86                     | FOUNDATION DRAIN         | 106.76   | CB #7           | 73 L.F. of 12"Ø<br>S=0.005' /'  |

| STRUCTURE | DIA.   | LOCATION<br>STATION & OFFSET | RIM EL. | INV. IN          | FROM<br>STRUCTURE | INV. OUT | TO<br>STRUCTURE   | PIPE                            |
|-----------|--------|------------------------------|---------|------------------|-------------------|----------|-------------------|---------------------------------|
| CB #9     | 4'     | 4+11.0, 22.5' R              | 110.20  | 105.72           | DMH #1            | 105.62   | CB #10            | 30 L.F. of 15"Ø<br>S=0.005' /'  |
| CB #10    | 4'     | 4+04.2, 9.5' L               | 111.62  | 105.47           | CB #9             | 105.37   | DAYLIGHT AT 105.0 | 73 L.F. of 15"Ø<br>S=0.005' /'  |
| CB #11    | 4'     | 0+39.0, 15.0' R              | 126.84  | 120.60           | EXIST. CB BOW ST  | 120.50   | CB #12            | 129 L.F. of 15"Ø<br>S=0.052' /' |
| CB #12    | 4'     | 1+67.6, 13.0' R              | 119.21  | 113.75<br>113.75 | CB #11<br>CB #13  | 113.65   | CB #1             | 64 L.F. of 15"Ø<br>S=0.071' /'  |
| CB #13    | 4'     | 1+67.6, 13.0' L              | 119.21  | -                | -                 | 114.00   | CB #12            | 22 L.F. of 12"Ø<br>S=0.010' /'  |
| CB #14    | 4'     | 3+33.3, 12.8' R              | 111.77  | -                | -                 | 105.90   | CB #15            | 22 L.F. of 12"Ø<br>S=0.012' /'  |
| CB #15    | 4'     | 3+33.3, 12.8' L              | 111.77  | 105.60           | CB #14            | 105.50   | DAYLIGHT AT 101.0 | 30 L.F. of 12"Ø<br>S=0.155' /'  |
| DMH #1    | 4'     | 4+38.8, 88.3' R              | 125.70  | 112.37           | FI #1             | 111.37   | CB #9             | 67 L.F. of 15"Ø<br>S=0.084' /'  |
| FI #1     | 2' Sq. | 4+28.5, 144.4' R             | 120.00  | 114.90           | ROOF DRAIN        | 114.80   | DMH #1            | 53 L.F. of 12"Ø<br>S=0.046' /'  |
| EX CB     | 4'     | 0+24.0, 45.5' R              | 126.2±  | 121.4±           | EX CB             | 121.0±   | CB #11            | 30 L.F. of 15"Ø<br>S=0.013' /'  |

NOTE:  
STATION & OFFSET IS MEASURED TO THE CENTER OF GRATE OR COVER. IT IS THE INTENT THAT CATCH BASINS WILL BE LOCATED AT THE CURBLINE OR GUTTERLINE (EXCEPT CB #9 & FI #1)