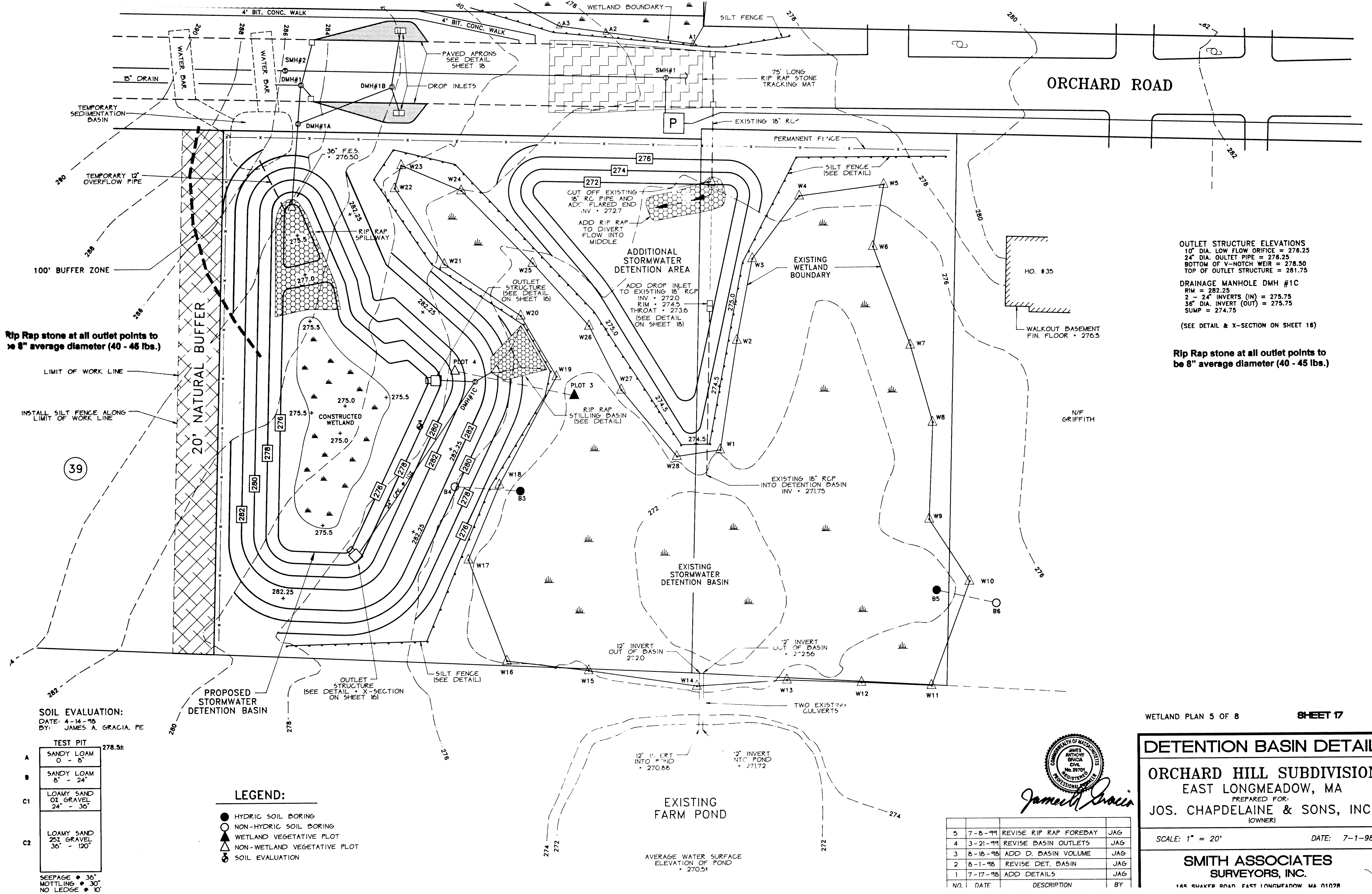




OUTLET STRUCTURE ELEVATIONS
10" DIA. LOW FLOW ORIFICE = 276.25
24" DIA. OUTLET PIPE = 276.25
BOTTOM OF V-NOTCH WEIR = 278.50
TOP OF OUTLET STRUCTURE = 281.75

DRAINAGE MANHOLE DMH #1C
RIM = 282.25
2 - 24" INVERTS (IN) = 275.75
36" DIA. INVERT (OUT) = 275.75
SUMP = 274.75

(SEE DETAIL & X-SECTION ON SHEET 16)

Rip Rap stone at all outlet points to be 8" average diameter (40 - 45 lbs.)

Rip Rap stone at all outlet points to be 8" average diameter (40 - 45 lbs.)

SOIL EVALUATION:
DATE: 4-14-98
BY: JAMES A. GRACIA, PE

TEST PIT		278.5±
A	SANDY LOAM 0' - 8'	
B	SANDY LOAM 8' - 24'	
C1	LOAMY SAND 0% GRAVEL 24' - 36'	
C2	LOAMY SAND 25% GRAVEL 36' - 120'	

SEEPAGE • 36"
MOTTLING • 30"
NO LEDGE • 10"

LEGEND:

- HYDRIC SOIL BORING
- NON-HYDRIC SOIL BORING
- ▲ WETLAND VEGETATIVE PLOT
- △ NON-WETLAND VEGETATIVE PLOT
- ⊙ SOIL EVALUATION

NO.	DATE	DESCRIPTION	BY
5	7-8-99	REVISE RIP RAP FOREBAY	JAG
4	3-21-99	REVISE BASIN OUTLETS	JAG
3	8-18-98	ADD D. BASIN VOLUME	JAG
2	8-11-98	REVISE DET. BASIN	JAG
1	7-17-98	ADD DETAILS	JAG

WETLAND PLAN 5 OF 8 SHEET 17

DETENTION BASIN DETAIL

ORCHARD HILL SUBDIVISION
EAST LONGMEADOW, MA
PREPARED FOR:
JOS. CHAPDELAINE & SONS, INC.
(OWNER)

SCALE: 1" = 20' DATE: 7-1-98

SMITH ASSOCIATES
SURVEYORS, INC.

165 SHAKER ROAD, EAST LONGMEADOW, MA 01028

251 A