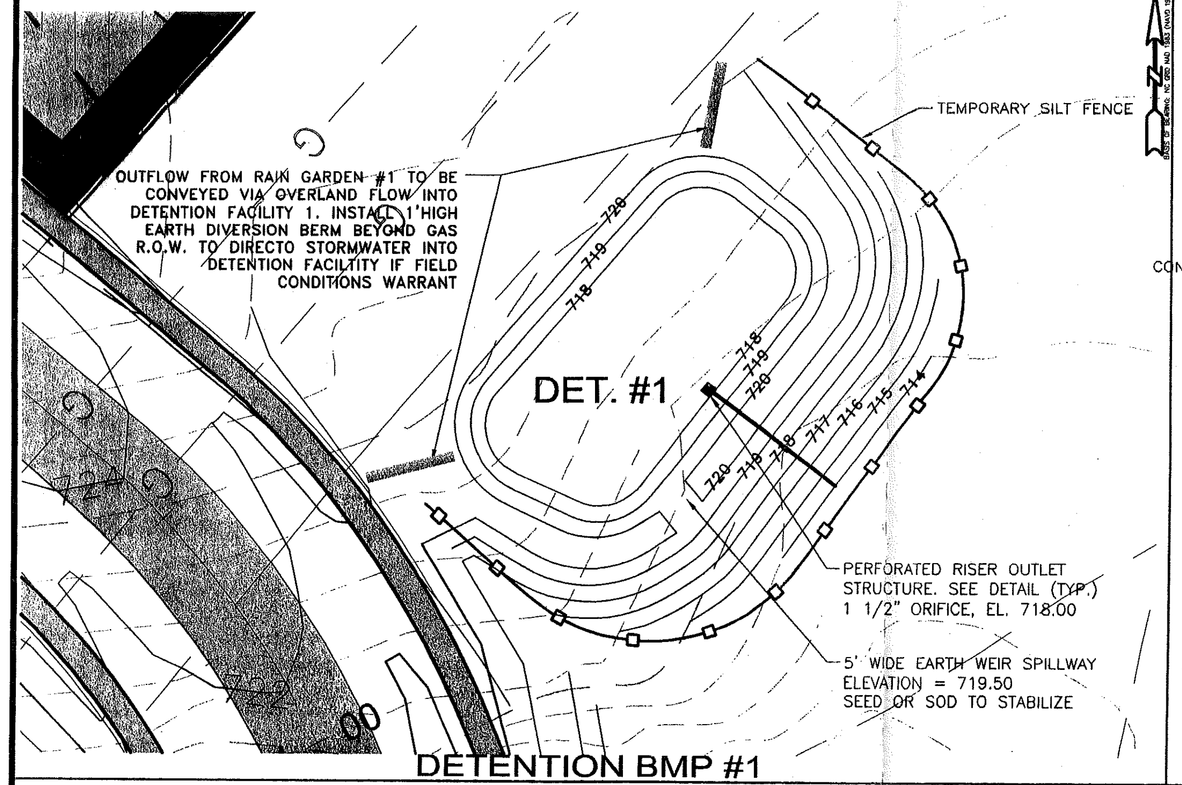
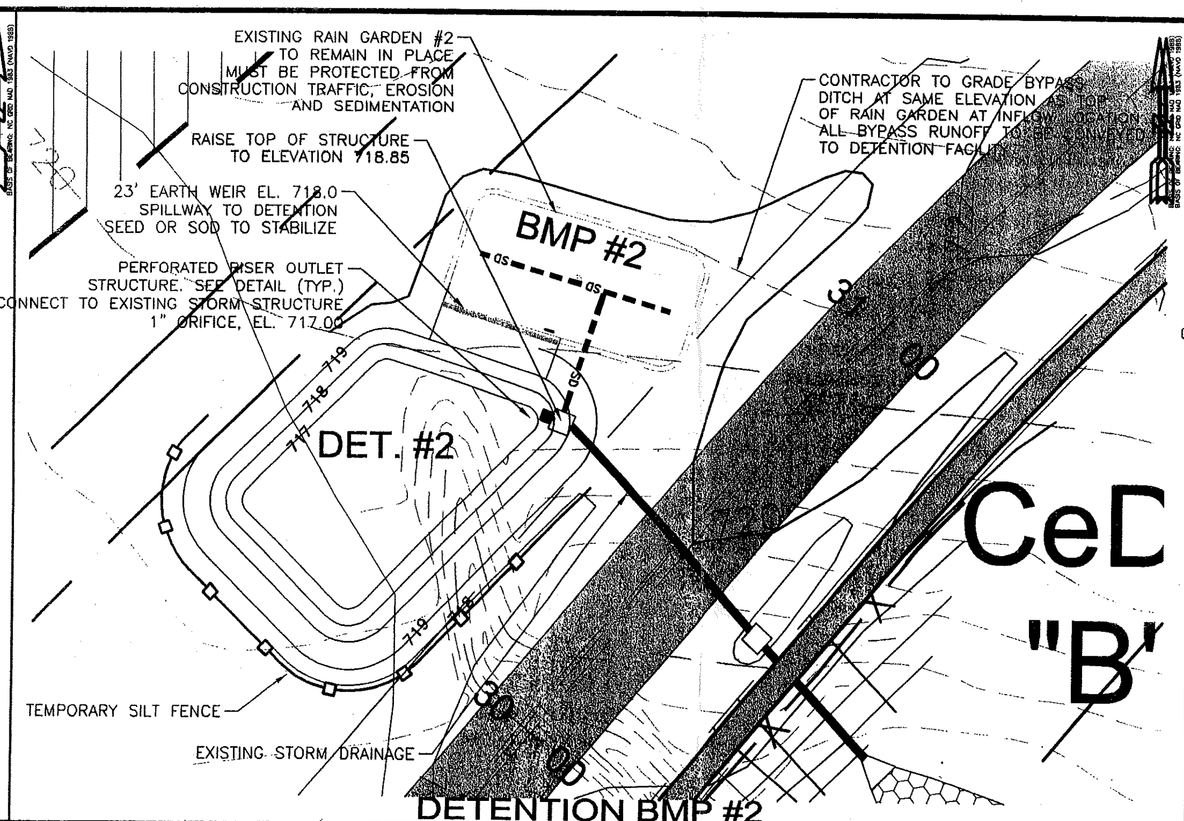
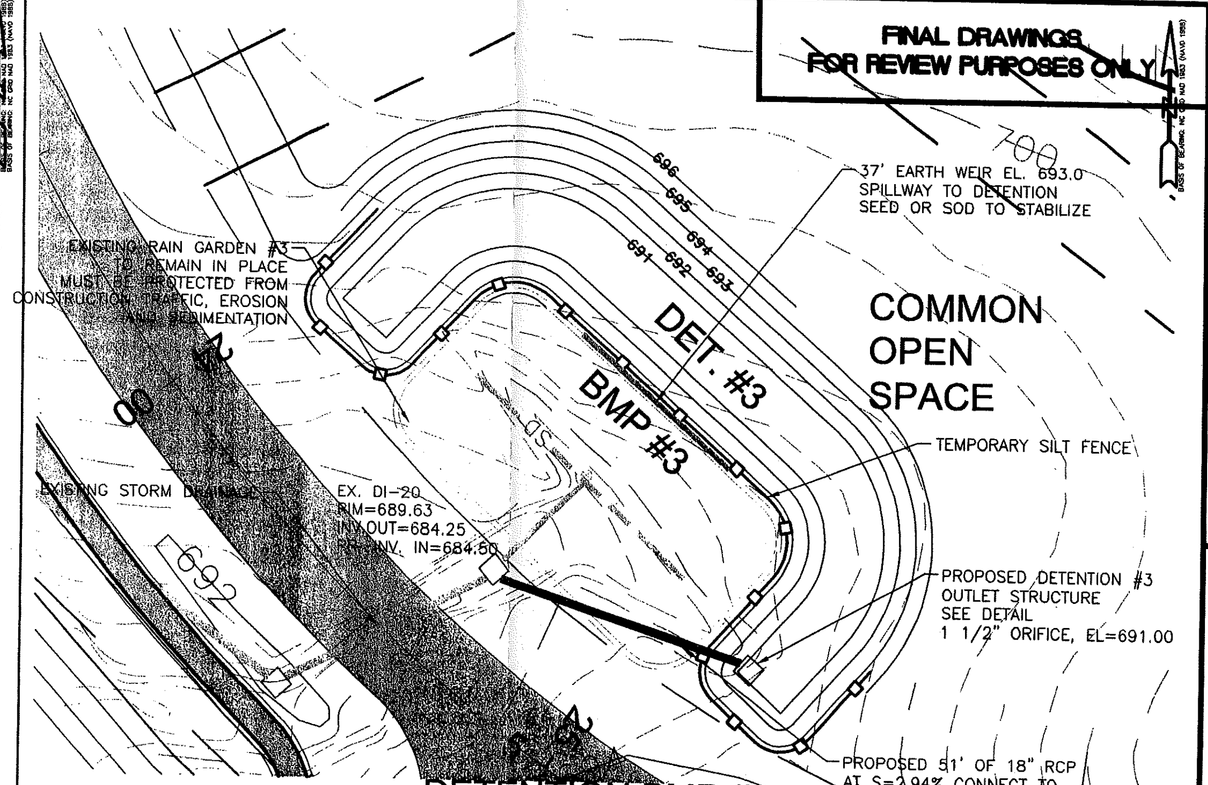


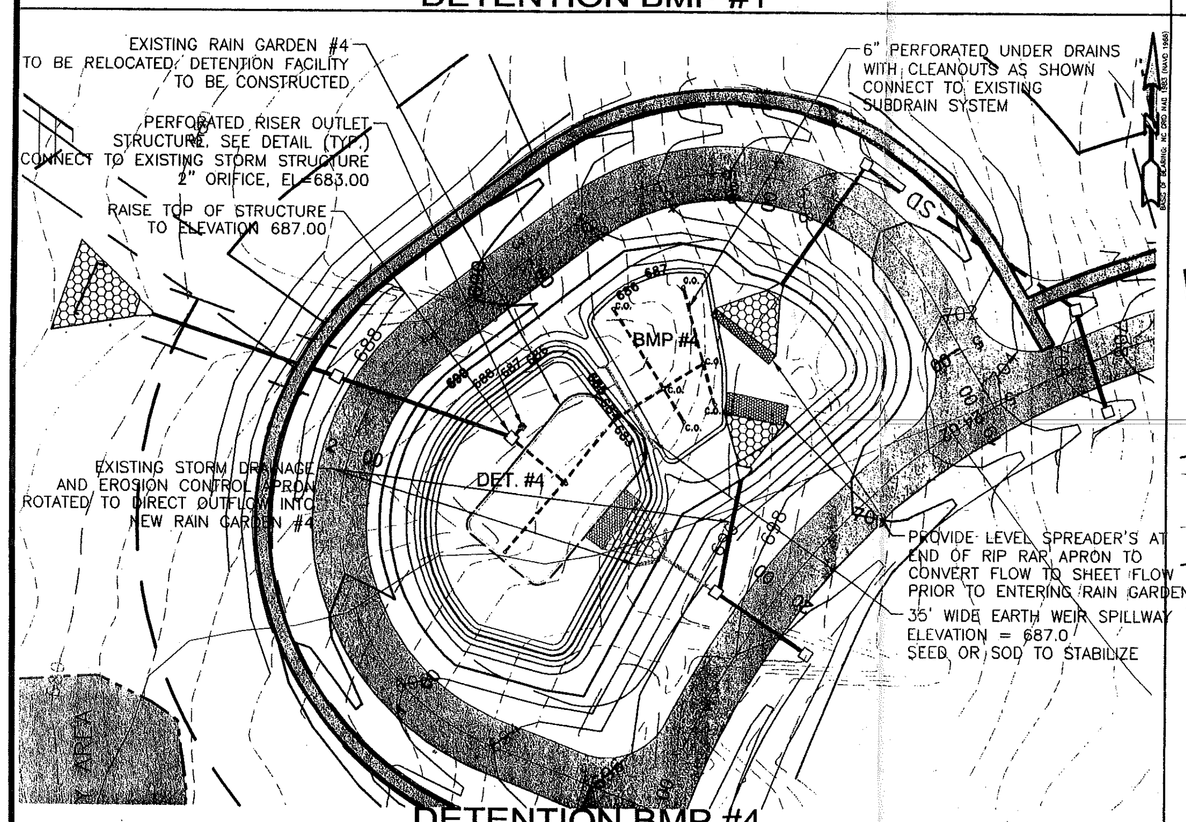
DETENTION BMP #1



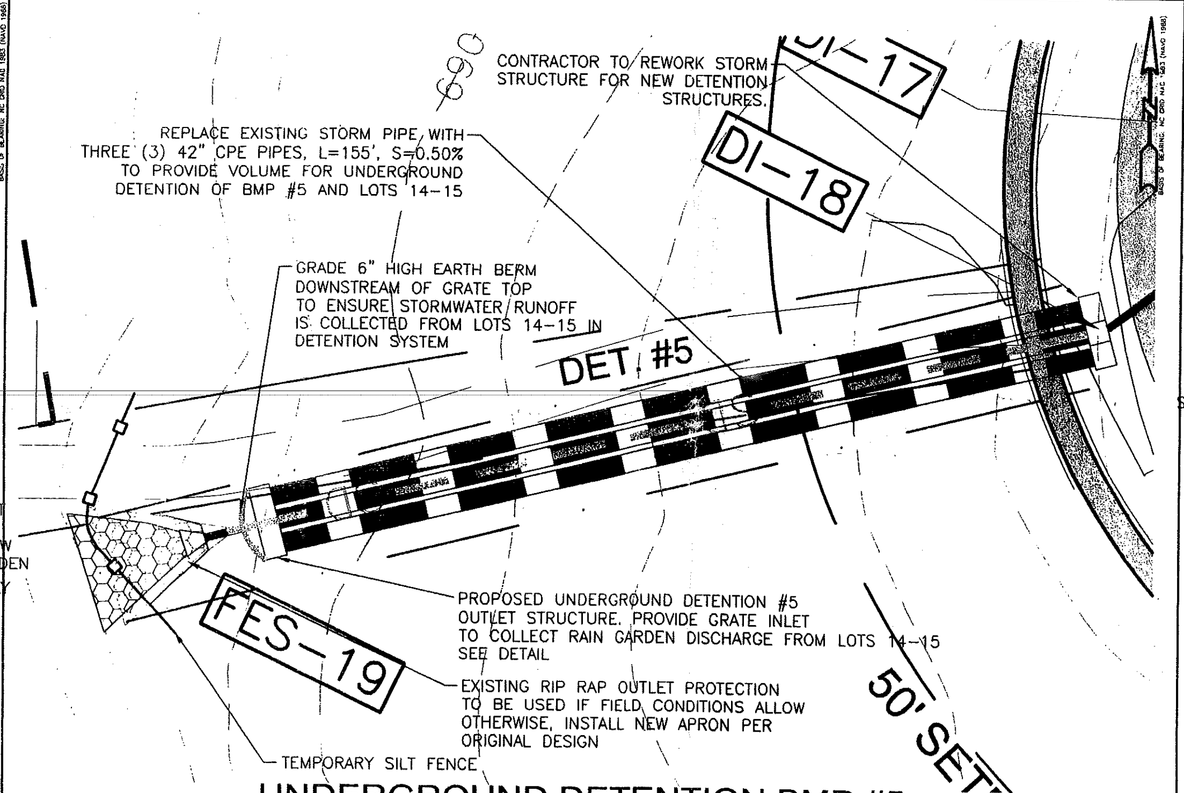
DETENTION BMP #2



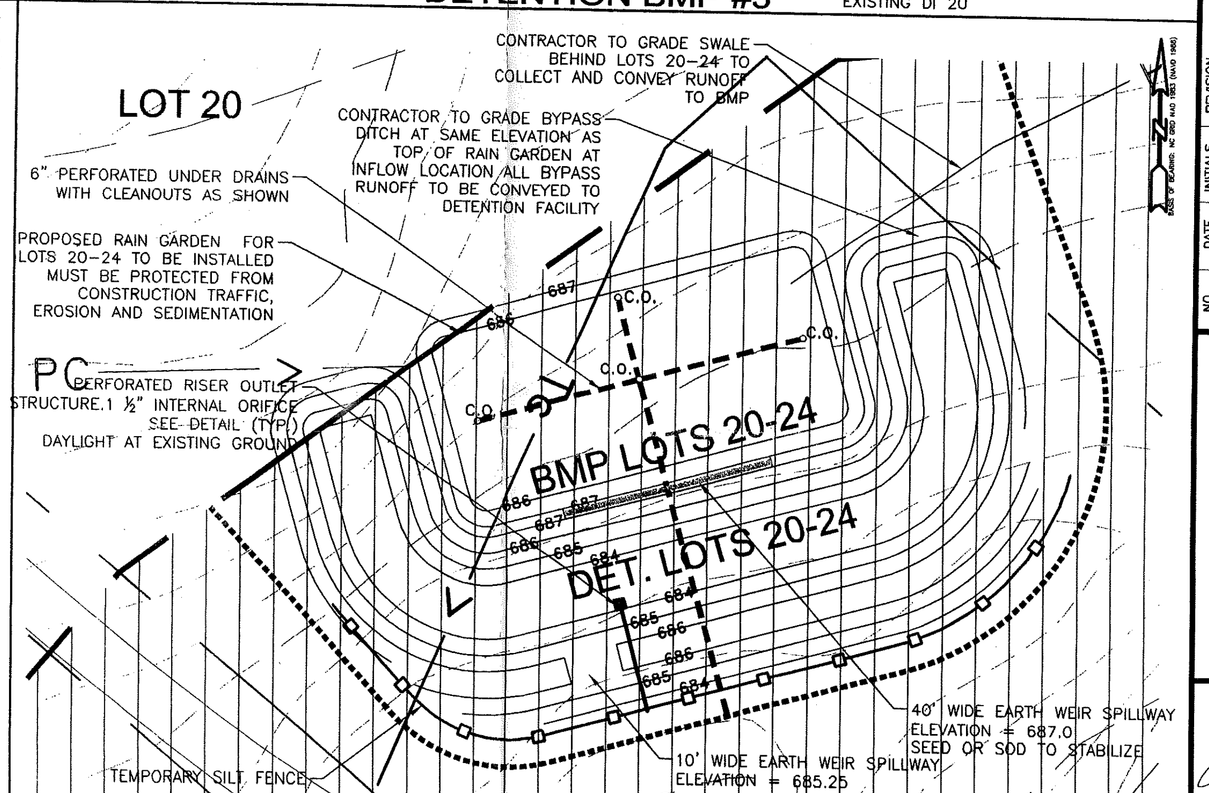
DETENTION BMP #3



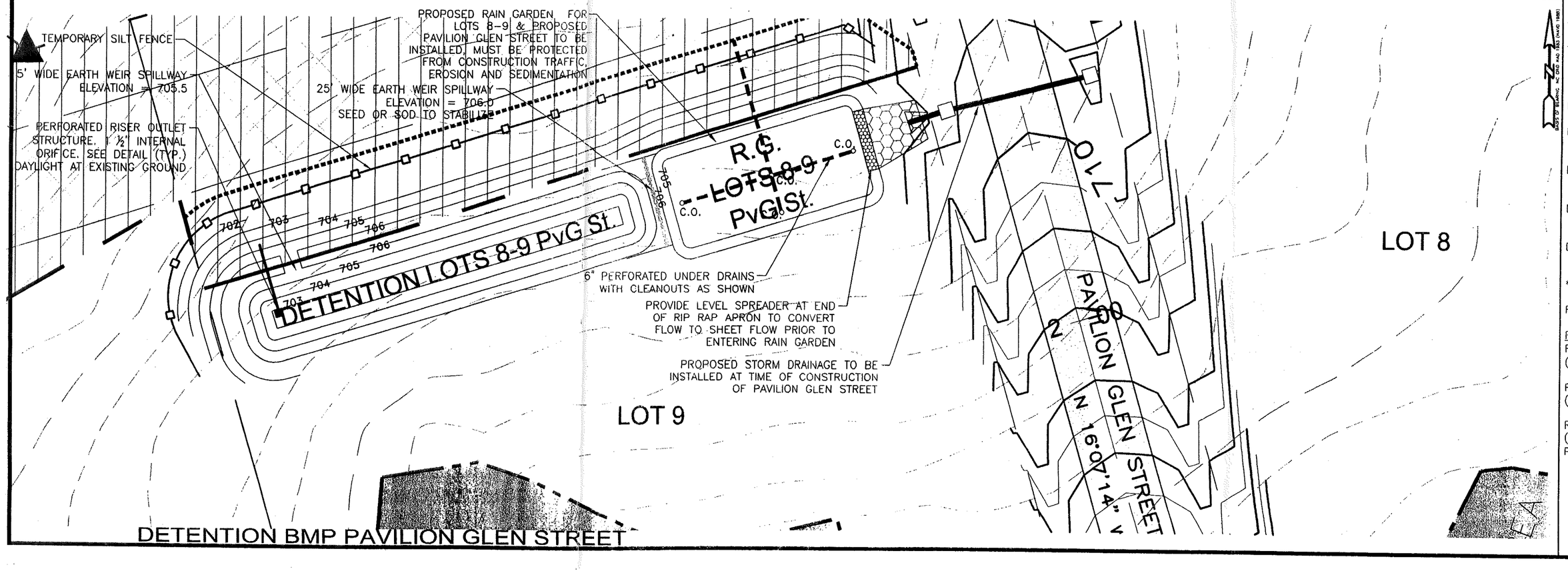
DETENTION BMP #4



UNDERGROUND DETENTION BMP #5



DETENTION BMP LOTS 20-24



DETENTION BMP PAVILION GLEN STREET

PROPOSED BMP DESIGN GOALS:

PROPOSED BMP	PURPOSE
DETENTION BMP #1	PROVIDE VOLUMETRIC CONTROL FOR DRAINAGE AREA TO RAIN GARDEN #1
DETENTION BMP #2	PROVIDE VOLUMETRIC CONTROL FOR DRAINAGE AREA TO RAIN GARDEN #2
DETENTION BMP #3	PROVIDE VOLUMETRIC CONTROL FOR DRAINAGE AREA TO RAIN GARDEN #3
DETENTION BMP #4	*REWORK RAIN GARDEN #4, PROVIDE VOLUMETRIC CONTROL FOR DRAINAGE AREA TO RAIN GARDEN #4, AND OVER-DETAIN TO ACCOUNT FOR LOTS 10-12
DETENTION BMP #5	PROVIDE UNDERGROUND VOLUMETRIC CONTROL FOR DRAINAGE AREA TO RAIN GARDEN #5, AND LOTS 14-15. RAIN GARDENS FOR LOTS 14-15 SHALL BE DESIGNED BY PURCHASER OF LOT, AT TIME OF HOME CONSTRUCTION
DETENTION/WQ BMP LOTS 20-24	*PROVIDE RAIN GARDEN TO TREAT IMPERVIOUS AREAS ON LOTS 20-24 AND VOLUMETRIC CONTROL FOR DRAINAGE AREA OF LOTS 20-24
DETENTION/WQ BMP LOTS 8,9, STREET	*PROVIDE RAIN GARDEN TO TREAT IMPERVIOUS AREAS ON LOTS 8 & 9 AND PROPOSED PAVILION GLEN STREET AS WELL AS VOLUMETRIC CONTROL FOR DRAINAGE AREA FOR LOTS 8 & 9 AND PAVILION GLEN STREET

*BMP'S REWORKED OR DESIGNED TO INCLUDE NEW RAIN GARDEN INSTALLATION TO SATISFY WATER QUALITY REQUIREMENTS.

RAIN GARDENS SHALL BE PLANTED AT AN AVERAGE RATE OF 2,000 TREES AND SHRUBS PER ACRE (~1 TREE OR SHRUB PER 21.78 S.F.)

RAIN GARDEN NAME	SURFACE AREA	# PLANTINGS REQUIRED
RAIN GARDEN #4 (REWORKED)	2,715 S.F.	125 TREES AND SHRUBS
RAIN GARDEN (LOTS 20-24)	3,960 S.F.	182 TREES AND SHRUBS
RAIN GARDEN (LOTS 8&9, PAVILION GLEN STREET)	2,367 S.F.	109 TREES AND SHRUBS

FINAL DRAWINGS FOR REVIEW PURPOSES ONLY

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NO.	DATE	INITIALS	REVISION
1	07.10.07	JSM	REVISIONS PER MECKLENBURG COUNTY
2	08.14.07	JSM	REVISIONS PER MECKLENBURG COUNTY
3	09.04.07	JSM	REVISIONS PER MECKLENBURG COUNTY

DRAWN BY: JSM
DESIGNED BY: DFR
PROJECT MANAGER: DFR
PROJECT NO.: 070303.010

SCALE: 1" = 20'
MAY 18, 2007

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 33221 JEREMIA S. MURPHY 9/6/07

THE PAVILION
BMP AND DETENTION DETAILS

HUNTERSVILLE, NORTH CAROLINA

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