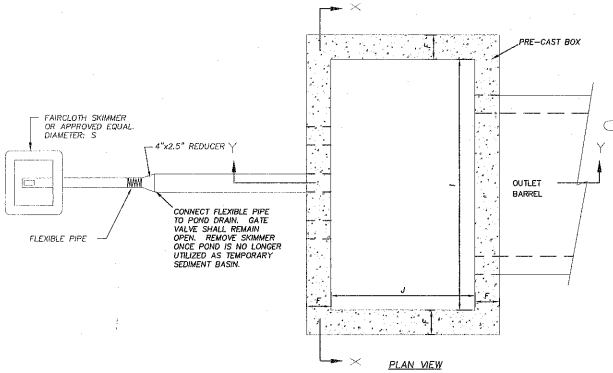
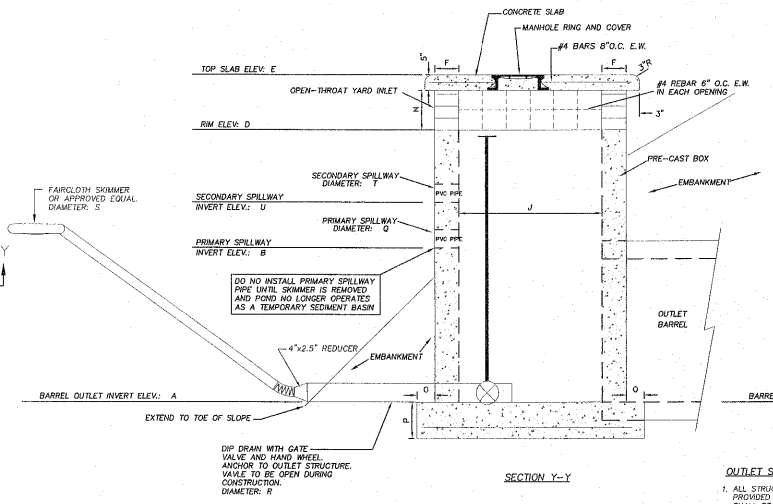
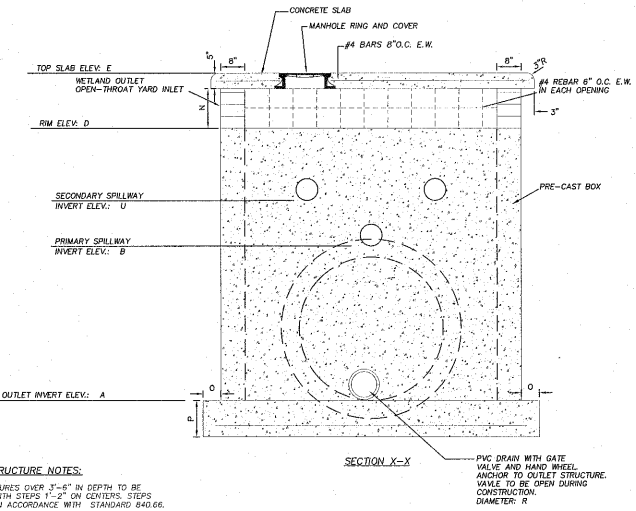






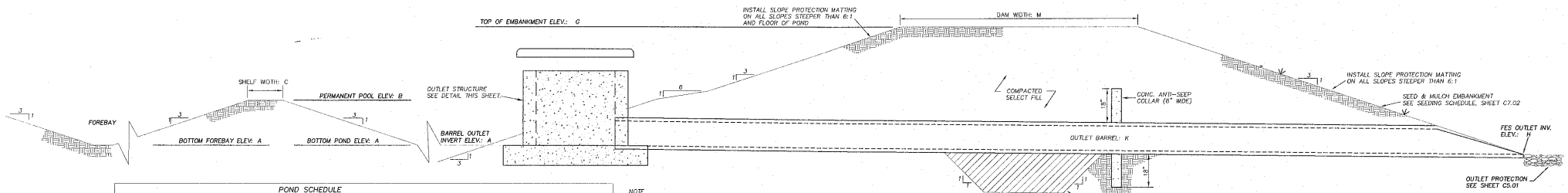
PERMANENT OUTLET STRUCTURE

TEMPORARY SEDIMENT BASIN NOTES:

1. INSPECT DEVICE AFTER EACH RAINFALL. REMOVE SEDIMENT WHEN SEDIMENT REACHES A DEPTH OF NO MORE THAN ONE-HALF THE HEIGHT OF THE RISER.
2. CLEAN OR REPLACE STONE FILTER WHEN DEVICE NO LONGER DRAINS PROPERLY.
3. PROVIDE PAINT MARK ON RISER AT 12" HEIGHT. CLEAN AND REPAIR ONCE SEDIMENT REACHES MARK.
4. INSTALL ALL COMPONENTS OF POND EMBANKMENT, OUTLET STRUCTURE, SKIMMER, EMERGENCY SPILLWAY, ETC. (UNLESS NOTED) PRIOR TO BEGINNING CLEARING OPERATIONS.

OUTLET STRUCTURE NOTES:

1. ALL STRUCTURES OVER 3'-6" IN DEPTH TO BE PROVIDED WITH STEPS 1'-2" ON CENTERS. STEPS SHALL BE IN ACCORDANCE WITH STANDARD 840.66.
2. CLASS "B" CONCRETE TO BE USED.
3. ALL MOTOR JOINTS ARE 1/2" ± 1/8"
4. FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE BOTTOM SLAB.



EMBANKMENT SECTION
SCALE: N.T.S.

POND SCHEDULE							
POND NUMBER	1	H (FT)	440.00	P (IN)	18	1-YR STORM ELEV.	446.12
A (FT)	441.00	I (FT)	4.0	Q (IN)	4	10-YR STORM ELEV.	447.39
B (FT)	444.00	J (FT)	4.0	R (IN)	4	100-YR STORM ELEV.	448.00
C (FT)	6.0	K	64 LF 24"RCP	S (IN)	2.5		
D (FT)	447.50	L (FT)	--	T (IN)	6		
E (FT)	449.25	M (FT)	8.0	U	446.20		
F (IN)	8	N (IN)	16				
G (FT)	449.00	O (IN)	6				

NOTE

EMBANKMENT SHALL BE CONSTRUCTED OF CLEAN STRUCTURAL SOIL, FREE OF ROOTS, VEGETATION, ROCKS & OTHER OBJECTIONABLE MATERIAL. SCARIFY SURFACES BEFORE PLACING FILL. PLACE FILL IN 6-8 INCH LOOSE LIFTS. COMPACT TO AT LEAST 95% OF THE STANDARD PROCTOR DENSITY.

STORMWATER WET POND DETAIL

NOT TO SCALE

AS-BUILT SURVEY REQUIREMENTS

NOTE: CONTRACTOR SHALL PROVIDE AS-BUILT TOPOGRAPHIC SURVEY PERFORMED BY A PROFESSIONAL LAND SURVEYOR CERTIFYING STORMWATER POND AREA DIMENSIONS, ELEVATIONS, OUTLET STRUCTURE INVERTS, ORIFICE DIAMETER, PIPE SIZES AND CLEANOUT LOCATIONS. TOPOGRAPHY SHALL EXTEND 20 FEET OUTSIDE LIMITS OF POND.

07-SP-015
APPROVED
TOWN OF CARY

Approved by DRC Date 04-23-07
Planning JGB Date 05-18-07
Engineering TS Date 5-21-07

cps Chandler Palmer Speight engineers, p.a.
7621 Purfoy Road, Suite 201
Fuquay-Varina, NC 27526
Tel:919-552-4845
Fax:919-552-6002

SEALS

NORTH CAROLINA PROFESSIONAL SEAL 029452 ENGINEER BRIAN D. SPEIGHT
5-15-07

REVISIONS

DATE	COMMENTS
12-26-06	TOWN OF CARY REVIEW COMMENTS
03-26-07	TOWN OF CARY REVIEW COMMENTS
05-15-07	TOWN OF CARY ELEVEN COMMENTS

CONSTRUCTION DOCUMENT

CARY ALLIANCE CHURCH
4108 TEN TEN ROAD
CARY, NORTH CAROLINA

REVIEWED BY:	JCC
DESIGNED BY:	CPS
DRAWN BY:	CPS
DATE:	3.4.07
PROJECT NUMBER:	06-016

SITE DETAILS

C9.05

SHEET 21 OF 27

FEBRUARY 2007