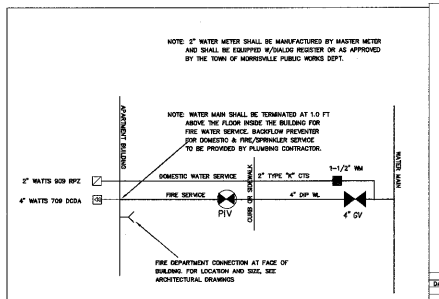
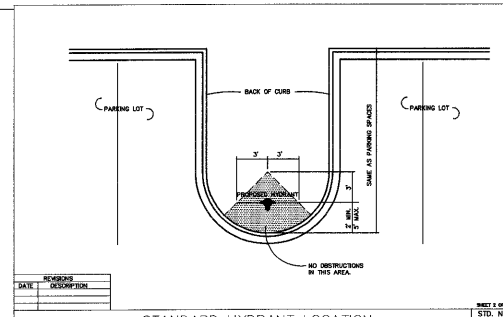


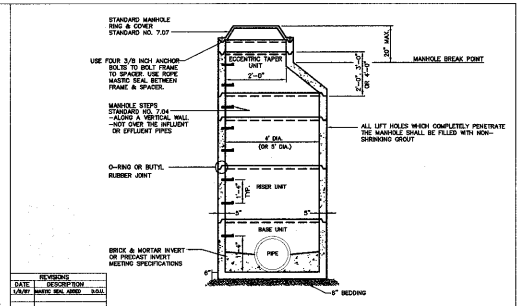
FIRE & DOMESTIC WATER SERVICE DETAIL

N.T.S.



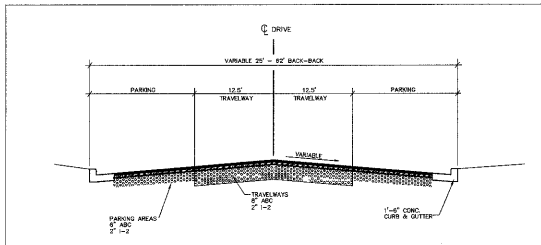
STANDARD HYDRANT LOCATION
(FOR PARKING LOT)

STD. No. 6.07



STANDARD PRECAST CONCRETE MANHOLE

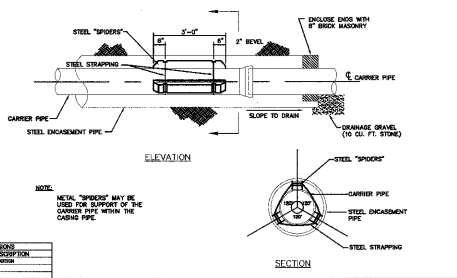
STD. No. 7.03



TYPICAL PRIVATE STREET SECTION

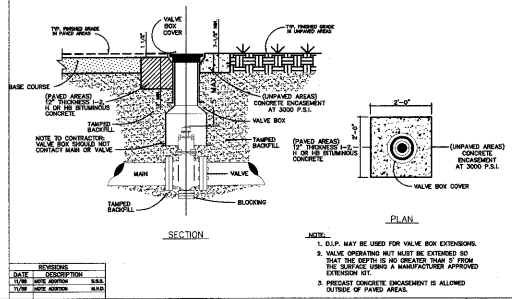
NOT TO SCALE

NOTE:
PAVEMENT DESIGN SHOWN IS PER TOC MINIMUM.
FINAL PAVEMENT DESIGN SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER.



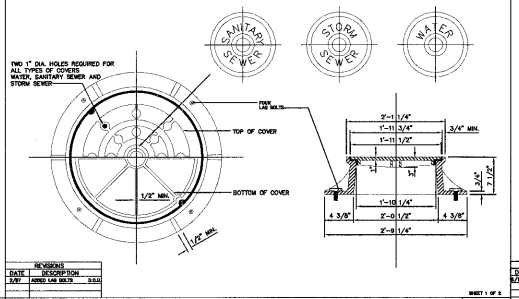
CARRIER PIPE

STD. No. 5.02



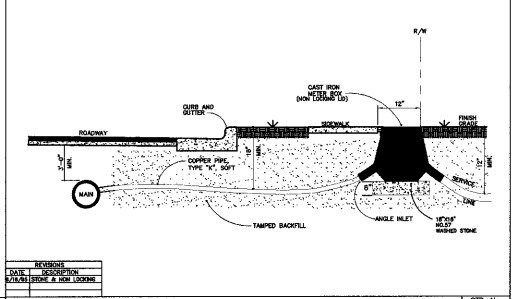
STANDARD VALVE BOX INSTALLATION

STD. No. 6.08



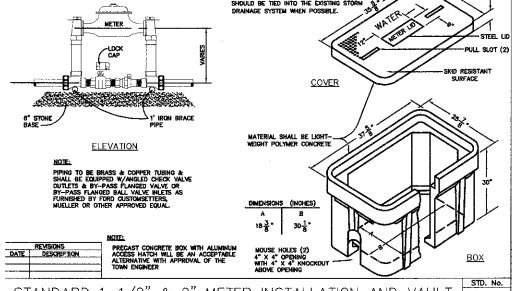
STANDARD MANHOLE RING AND COVER

STD. No. 7.06



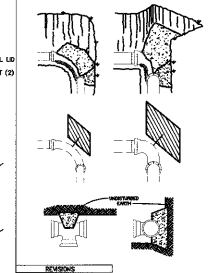
STANDARD 3/4" AND 1" METER BOX INSTALLATION

STD. No. 6.01



STANDARD 1-1/2" & 2" METER INSTALLATION AND VAULT

STD. No. 6.02



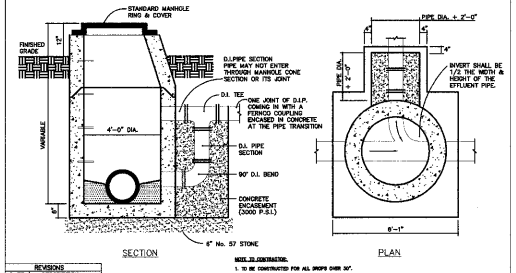
MINIMUM CONCRETE BLOCKING (C.Y.) *					
NOM. PIPE DIA. IN.	TEES & DEAD ENDS	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	1/3	1/3	1/3	1/3	1/3
6	1/3	1/3	1/3	1/3	1/3
8	1/3	1/2	1/3	1/3	1/3
10	2/3	3/4	1/2	1/3	1/3
12	3/4	1.0	2/3	1/3	1/3
14	1.0	1-1/2	3/4	1/2	1/3
16	1-1/3	2.0	1.0	1/2	1/3
18	1-2/3	2-1/3	1-1/3	2/3	1/3
20	2.0	3.0	1-2/3	3/4	1/2
24	3.0	4-1/3	2-1/3	1-1/3	2/3

* CONCRETE SHALL BE 3000 P.S.I. MIX.

NOTE:
NO CONCRETE SHALL COVER BOLTS OR BLANKS.

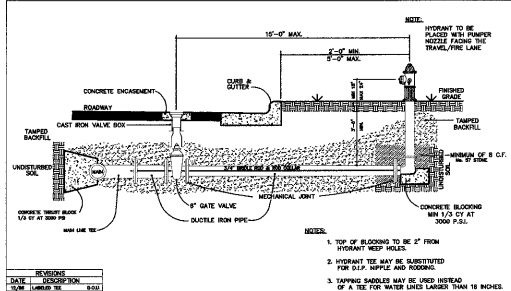
STANDARD REACTION BLOCKING

STD. No. 6.12



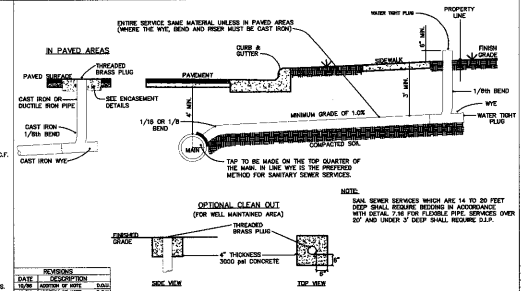
STANDARD OUTSIDE DROP MANHOLE

STD. No. 7.08



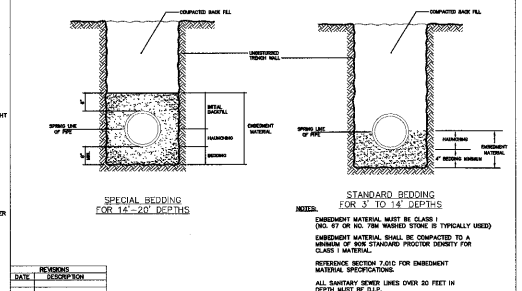
STANDARD HYDRANT INSTALLATION

STD. No. 6.06



STANDARD SANITARY SEWER TAP AND SERVICE

STD. No. 7.01



BEDDING FOR FLEXIBLE & SEMI-RIGID SANITARY SEWER PIPE

STD. No. 7.16

01-SB-012
APPROVED
TOWN OF CARY
Approved By DRC Date 5-22-02
Planning PJS Date 4-13-02
Engineering TB Date 6-12-02

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT TOWN OF CARY STANDARD SPECIFICATIONS AND DETAILS

NORTH CAROLINA PROFESSIONAL SEAL 23484 ENGINEER BRADLEY D. HART

Bradley D. Hart 6/5/02

No.	Revision	Date	By

Designer	BDH	Scale	1"=40'
Drawn By	BDH	Date	01MARCH02
Checked By	BDH	Job No.	201238.00

THE GROVE AT CARY PARK

UTILITY & ROADWAY DETAILS

WITHERS & RAVENEL
ENGINEERS | PLANNERS | SURVEYORS
111 MacKenan Drive Cary, North Carolina 27511 tel: 919-469-3340 fax: 919-467-6008 www.withersravenel.com

Sheet No. C-8