

NO.	DATE	BY	CHKD.	REVISION
1	11/29/2018	TDD	MSL	ISSUED FOR PERMITS

CLIENT
CHRISTIAN BROTHERS AUTOMOTIVE
 17725 KATY FREEWAY - SUITE 200 - HOUSTON, TX 77084

PROJECT
CHRISTIAN BROTHERS AUTOMOTIVE - NORCROSS
 5650 PEACHTREE INDUSTRIAL BLVD
 LAND LOT 272, DISTRICT 6, PARCEL 6272.327
 NORCROSS, GWINNETT COUNTY, GA

SEAL:

FOR INFORMATIONAL PURPOSES ONLY

DESIGN TEAM:
 DRAWN BY: TDD
 DESIGNED BY: TDD
 REVIEWED BY: MSL

811
 Know what's below.
 Call before you dig.

DETAILS ARE NOT DRAWN TO SCALE

JOB #: 180605
 DATE: 08/19/2018
 CONSTRUCTION DETAILS - 6
C-7.5

TYPICAL STUB-OUT INSTALLATION

DESIGN NO. **A10**

TYPICAL TAPPING SLEEVE AND VALVE INSTALLATION

DESIGN NO. **A8**

MECHANICAL JOINT BOLT USAGE CHART

NO. PIPE DIA	BELL DEPTH	DIAMETER	LENGTH	NUMBER PER JOINT	REC. TO CODE	JOINT WEIGHT (LBS)
6	2 1/2"	3/4"	3 1/2"	4	75-90	16
8	3 1/2"	3/4"	3 1/2"	4	75-90	16
10	2 1/2"	3/4"	4"	4	75-90	16
12	2 1/2"	3/4"	4"	4	75-90	16
14	3 1/2"	3/4"	4 1/2"	10	75-90	45
16	3 1/2"	3/4"	4 1/2"	12	75-90	55
18	3 1/2"	3/4"	4 1/2"	12	75-90	55
20	3 1/2"	3/4"	4 1/2"	14	75-90	65
24	3 1/2"	3/4"	5"	18	75-90	85
30	4"	1"	6"	20	100-120	220
36	4"	1"	8"	24	100-120	285
42	4"	1 1/4"	8"	28	120-150	400
48	4"	1 1/4"	8"	32	120-150	475

DESIGN NO. **A7**

ALLOWABLE TRENCH WIDTHS
 3/4" - 2" SERVICE LINES & 2" AND LARGER WATER MAINS

DESIGN NO. **A-5**

GWINNETT COUNTY WATER DETAIL (A10)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A8)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A7)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A5)
 NOT TO SCALE

THRUST RESTRAINTS

PIPE SIZE	ROD SIZE	NUMBER RODS
6	3/4"	2
8	3/4"	3
10	3/4"	4
12	3/4"	4
14	3/4"	4
16	3/4"	5
20	3/4"	6
24	3/4"	6
30	1"	8
36	1"	10

DESIGN NO. **A19**

THRUST RESTRAINT UPWARD THRUST

DESIGN NO. **A20**

THRUST RESTRAINT HORIZONTAL THRUST

DESIGN NO. **A18**

GWINNETT COUNTY WATER DETAIL (A21)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A20)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A19)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A18)
 NOT TO SCALE

FIRE HYDRANT INSTALLATION SUBDIVISIONS

DESIGN NO. **A31**

3/4" - 1" METER SETTINGS SHORT AND LONG SIDES

DESIGN NO. **A-39**

1 1/2" - 2" GALVANIZED METER SETTINGS

DESIGN NO. **A40**

THRUST RESTRAINT UPWARD THRUST (ENCASED)

DESIGN NO. **A22**

GWINNETT COUNTY WATER DETAIL (A40)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A39)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A31)
 NOT TO SCALE

GWINNETT COUNTY WATER DETAIL (A22)
 NOT TO SCALE

Drawing name: L118005 - Christian Brothers Automotive - Norcross, GA - CONSTRUCTION DETAILS - 6 - Nov 28, 2018 2:43pm by: shawn.dugan