

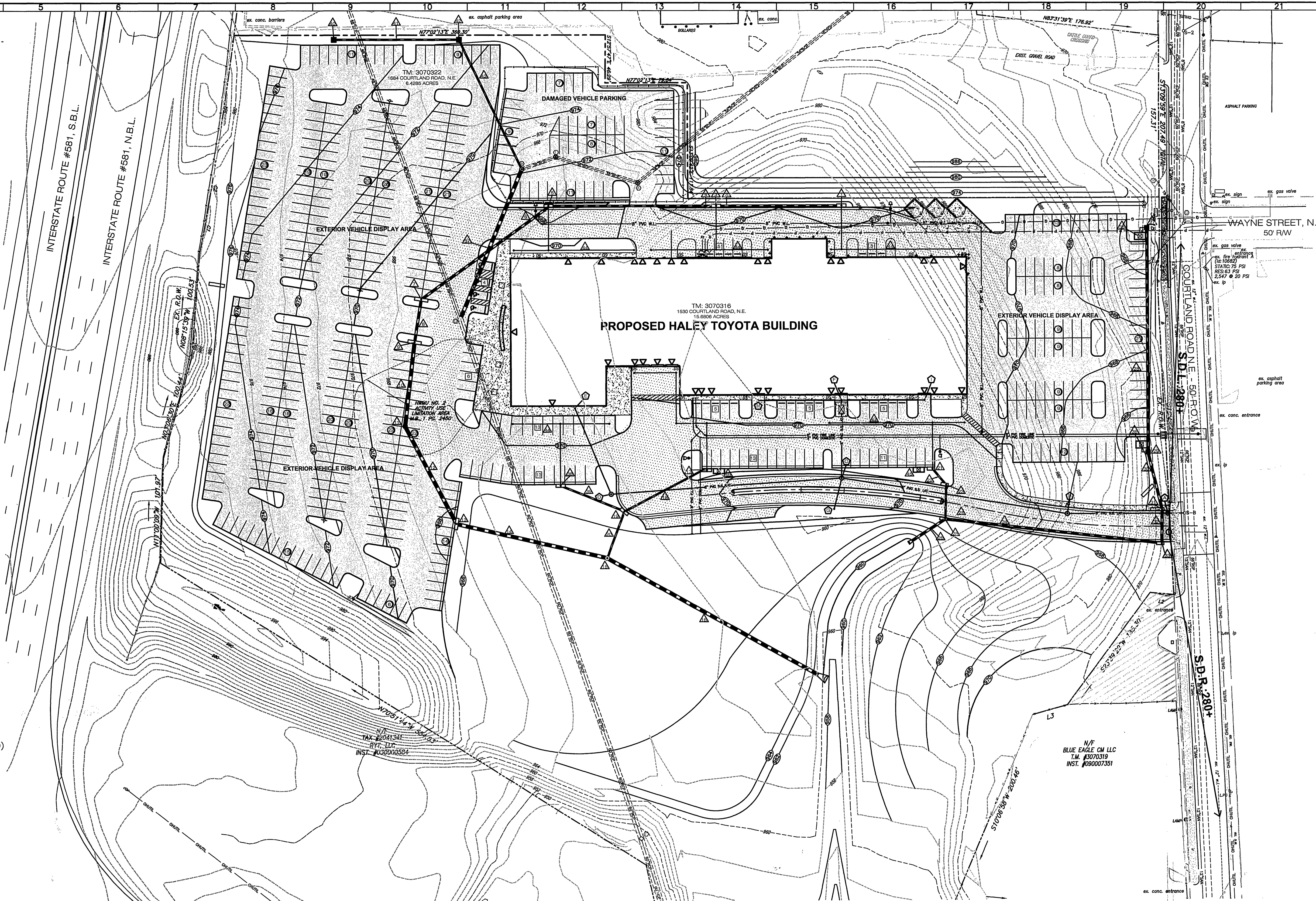
STORM STRUCTURE SCHEDULE:

- 1 VDOT ST'D DI-3C (6" THROAT) TOP=969.8 INV. OUT=965.8
- 2 121 LF OF 18" N-12 HDPE PIPE AT 0.5%
- 3 VDOT ST'D DI-3C (6" THROAT) TOP=969.80 INV. IN=965.19 INV. OUT=965.09
- 4 162 LF OF 18" N-12 HDPE PIPE AT 0.5%
- 5 VDOT ST'D DI-3C (6" THROAT) TOP=968.0 INV. IN=964.28 INV. OUT=964.18
- 6 153 LF OF 24" N-12 HDPE PIPE AT 0.5%
- 7 VDOT ST'D DI-3C (12" THROAT) TOP=968.6 INV. IN=963.41 INV. OUT=963.31
- 8 42 LF OF 24" N-12 HDPE PIPE AT 0.5%
- 9 VDOT ST'D DI-3C (12" THROAT) TOP=968.6 INV. IN=963.1 INV. OUT=963.0
- 10 82 LF OF 36" WT1B HDPE PIPE AT 0.5%
- 11 VDOT ST'D DI-1 TOP=968.25 INV. IN=962.59 INV. OUT=962.49
- 12 105 LF OF 36" WT-1B HDPE PIPE AT 0.5%
- 13 VDOT ST'D DI-3C (10" THROAT) TOP=968.30 INV. IN=961.96 INV. OUT=961.86
- 14 151 LF OF 36" N-12 HDPE PIPE AT 0.50%
- 15 VDOT ST'D MH-2 TOP=967.0 INV. IN=961.1 (STR. #14) INV. OUT=961.1 (STR. #20)
- 16 241 LF OF 36" N-12 HDPE PIPE AT 1.2% W/ES-1 END SECTION INV. OUT=958.0
- 17 VDOT ST'D DI-3C (6" THROAT) TOP=968.6 4" PVC FILTERRA LAT.=965 INV. OUT=964.8
- 18 90 LF OF 15" N-12 HDPE PIPE AT 0.50%
- 19 VDOT ST'D DI-3C (6" THROAT) TOP=968.40 INV. IN=964.35 (STR.#39) INV. IN=964.35 (STR.#18) INV. OUT=964.25
- 20 47 LF OF 15" N-12 HDPE PIPE AT 6.7%
- 21 VDOT ST'D DI-3C (6" THROAT) TOP=968.60 4" PVC FILTERRA LAT.=965 INV. OUT=964.60
- 22 17 LF OF 15" N-12 HDPE PIPE AT 1%
- 23 VDOT ST'D DI-3B (6" THROAT) TOP=968.9 INV. IN=964.43 INV. OUT=964.33
- 24 33 LF OF 15" N-12 HDPE PIPE AT 1%
- 25 VDOT ST'D DI-3B (6" THROAT) TOP=968.9 INV. IN=964.00 (STR. 24) INV. IN=958.95 (STR. 34) INV. OUT=958.85
- 26 38 LF OF 24" N-12 HDPE PIPE AT 0.92% W/ES-1 INV. OUT=958.5
- 27 VDOT ST'D DI-1 (SQUARE GRATE TOP) TOP=965.3 6" PVC FILTERRA LAT.=962.1 INV. OUT=962.0
- 28 216 LF OF 18" N-12 HDPE PIPE AT 0.50%
- 29 VDOT ST'D DI-1 (SQUARE GRATE TOP) TOP=964.9 6" PVC FILTERRA LAT.=961.8 INV. OUT=960.9 INV. OUT=960.8
- 30 58 LF OF 24" N-12 HDPE PIPE AT 0.5%
- 31 VDOT ST'D DI-3C (12" THROAT) TOP=965.53 INV. IN=960.5 INV. OUT=960.4
- 32 33 LF OF 24" N-12 HDPE PIPE AT 0.60%
- 33 VDOT ST'D DI-3B (8" THROAT) & DROP MH TOP=966.5 INV. IN=960.2 INV. OUT=960.0
- 34 210 LF OF 24" N-12 HDPE PIPE AT 0.50% INV. OUT=958.95 (STR. 25)
- 35 FILTERRA CURB TYPE UNIT (6"x10") -6" FACE ALONG CURB TOP=965.9 INV. OUT=962.4 (TIE TO STR. 29)
- 36 FILTERRA CURB TYPE UNIT (6"x10") -6" FACE ALONG CURB TOP=965.5 INV. OUT=962.0 (TIE TO STR. 29)
- 37 156 LF OF 36 RCP CLASS V PIPE AT 5.7% INV. IN 949.82 (STR. M) INV. OUT=940.87 (STR. D)
- 38 VDOT ST'D DI-3C (6" THROAT) TOP=969.0 INV. OUT=965.0
- 39 69 LF OF 15" N-12 HDPE PIPE AT 0.94% INV. OUT = 964.35 (STR. #19)
- 40 VDOT ST'D DI-7 (TYPE 3 GRATE) TOP=973.7 INV. OUT=968.7
- 41 121 LF OF 15" N-12 HDPE PIPE AT 1%
- 42 VDOT ST'D DI-7 (TYPE 3 GRATE) TOP=972.5 INV. IN=967.49 INV. OUT=967.39
- 43 138 LF OF 18" N-12 HDPE PIPE AT 1% INV. OUT=966.01 (EX. STRUCTURE M)
- 44 ROOFLEADER CONNECTIONS 8" SDR-35 AT 2% C/O SHALL BE PROVIDED AT ALL BENDS WITHIN THE U.G. SYSTEM (TRAFFIC BEARING TOPS AS REQ'D)
- 45 FILTERRA CURB TYPE UNIT (8"x4") -8" FACE ALONG CURB TOP=968.7 INV. OUT=965.2 (TIE TO STR. 21)
- 46 FILTERRA CURB TYPE UNIT (8"x4") -8" FACE ALONG CURB TOP=968.7 INV. OUT=965.2 (TIE TO STR. 17)
- 47 S.W.M. RISER STRUCTURE (SEE POND DETAIL - SHT. C15)
- 48 22 LF OF 24" RCP CLASS III GASKETED PIPE AT 1.81%
- 49 CONCRETE MONOBOX TOP= 937.00 INV. IN(60" RCP)=929.10 INV. IN(24" RCP)=929.10 INV. OUT(60" RCP)=929.00

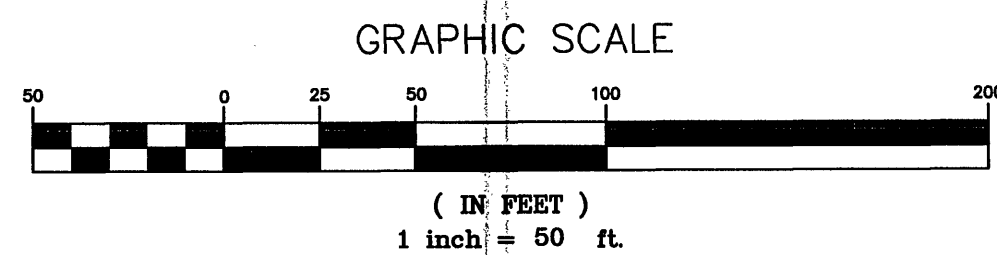
SANITARY STRUCTURE SCHEDULE:

*ALL S.S. MH'S SHALL HAVE STANDARD TOPS *
*ALL C.O.'S LOCATED IN PAVEMENT OR SIDEWALK SHALL HAVE *
TRAFFIC BEARING TOPS

- | | |
|---|---|
| A S.S. MH (ST'D S-1) TOP=964.73 INV. =954.73 | F S.S. C.O. (TRAFFIC BEARING) TOP=970.80 INV. =965.93 |
| B S.S. MANHOLE TOP=967.3 INV. =956.65 | G S.S. C.O. (TRAFFIC BEARING) TOP=971.0 INV. =961.69 |
| C S.S. MANHOLE TOP=971.60 INV. =961.07 | H S.S. C.O. (TRAFFIC BEARING) TOP=970.80 INV. =966.34 |
| D S.S. MANHOLE TOP=969.0 INV. =963.31 | I S.S. C.O. (TRAFFIC BEARING) TOP=970.80 INV. =966.34 |
| E S.S. C.O. (TRAFFIC BEARING) TOP=970.90 INV. =966.00 | |



ENTRANCE SIGHT DISTANCE:
(MIN. DISTANCE REQUIRED 280')
SDL: 280+
(310' TO WAYNE STREET)
SDR: 280'+
(825' TO CARVER AVENUE)



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COMMONWEALTH OF VIRGINIA
Christopher P. Burns
Lic. No. 047338
3/17/14
PROFESSIONAL ENGINEER

HALEY TOYOTA DEALERSHIP
MASTERPLAN
CITY OF ROANOKE, VIRGINIA

DRAWN BY BTC
DESIGNED BY BTC
CHECKED BY CPB
DATE 12/12/2013
SCALE 1"=50'

REVISIONS:
2/10/2014
3/17/2014

APPROVED
JUN 04 2014

SHEET NO.
C04
JOB NO. R1300046.00