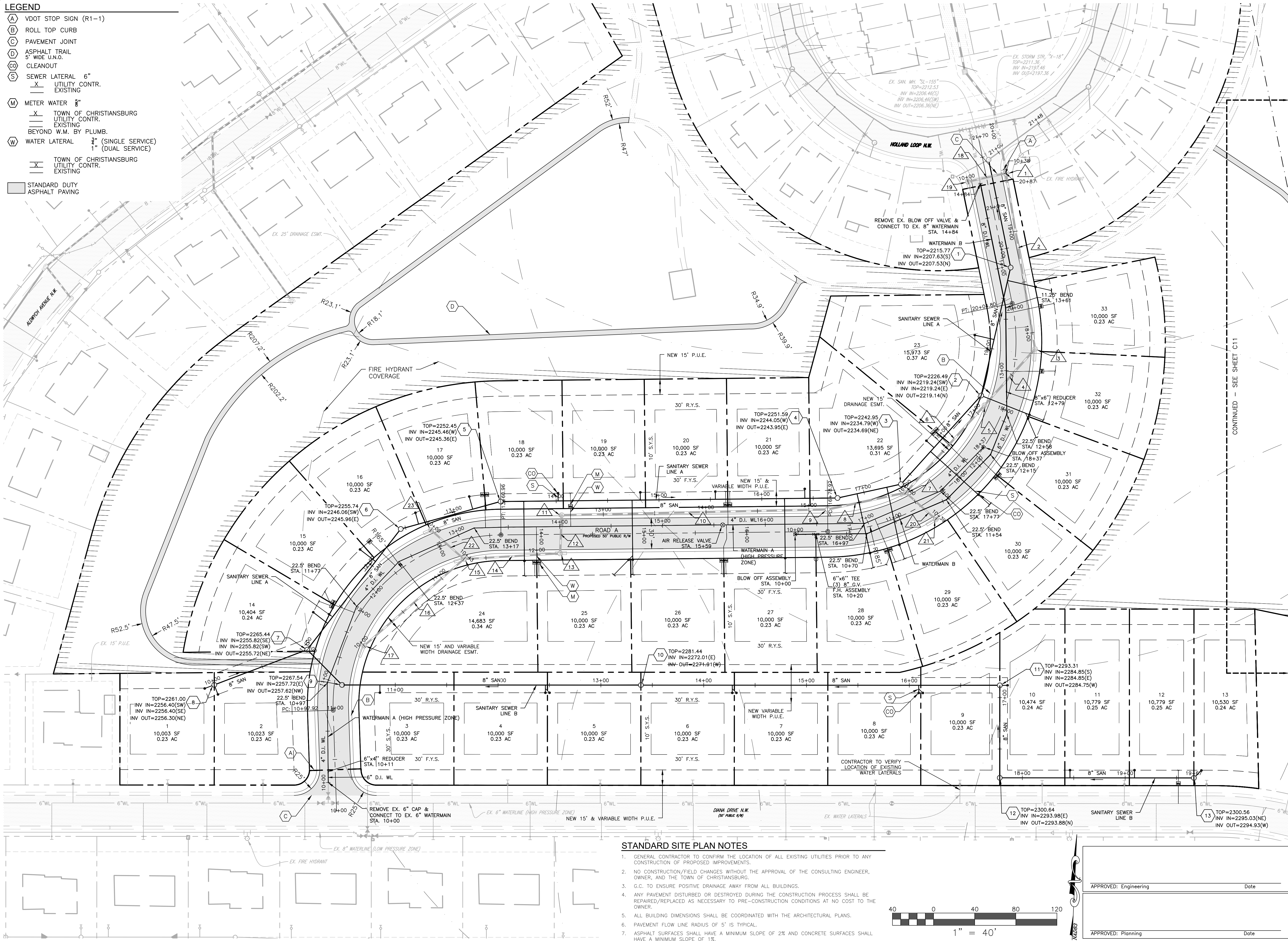
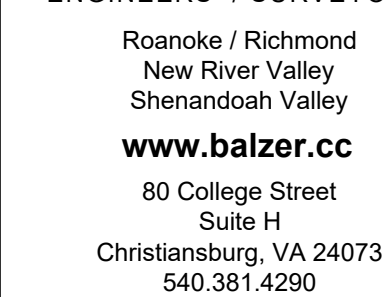


- LEGEND**
- (A) VDOT STOP SIGN (R1-1)
 - (B) ROLL TOP CURB
 - (C) PAVEMENT JOINT
 - (D) ASPHALT TRAIL
5' WIDE U.N.O.
 - (CO) CLEANOUT
 - (S) SEWER LATERAL 6"
X UTILITY CONTR.
EXISTING
 - (M) METER WATER 8"
X TOWN OF CHRISTIANBURG
UTILITY CONTR.
EXISTING
BEYOND W.M. BY PLUMB.
 - (W) WATER LATERAL 3/4" (SINGLE SERVICE)
1" (DUAL SERVICE)
X TOWN OF CHRISTIANBURG
UTILITY CONTR.
EXISTING
 - STANDARD DUTY
ASPHALT PAVING



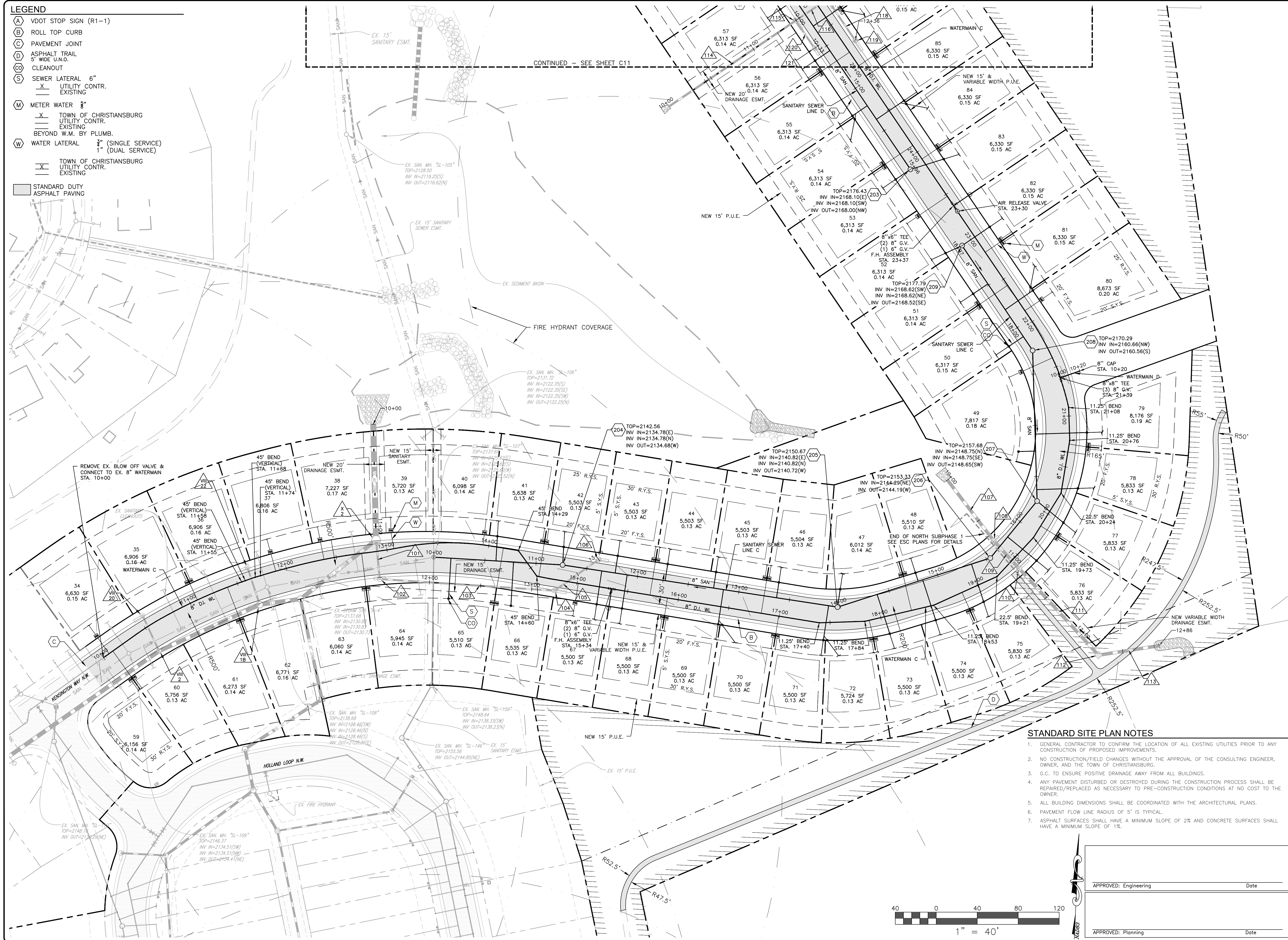


LAYOUT & UTILITY PLAN - NORTH AREA A

PRINER MAGISTERIAL DISTRICT
TOWN OF CHRISTIANSBURG, VIRGINIA

DRAWN BY	ACN / AWC
DESIGNED BY	ACN / AWC
CHECKED BY	JRT
DATE	01/31/2024
SCALE	1"=40'
REVISIONS	

PROJECT NO. 24230169.00

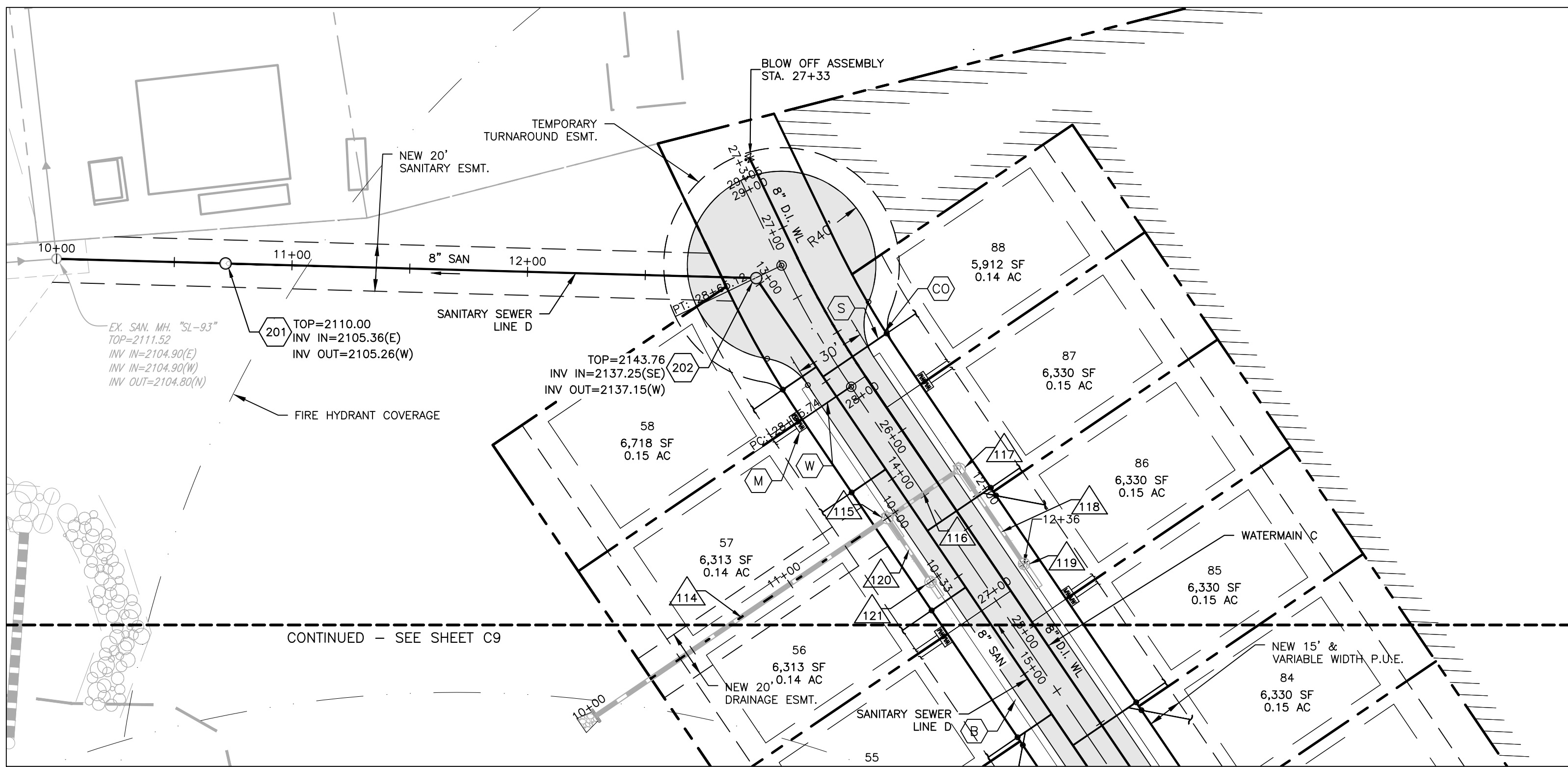


STRUCTURE SCHEDULE

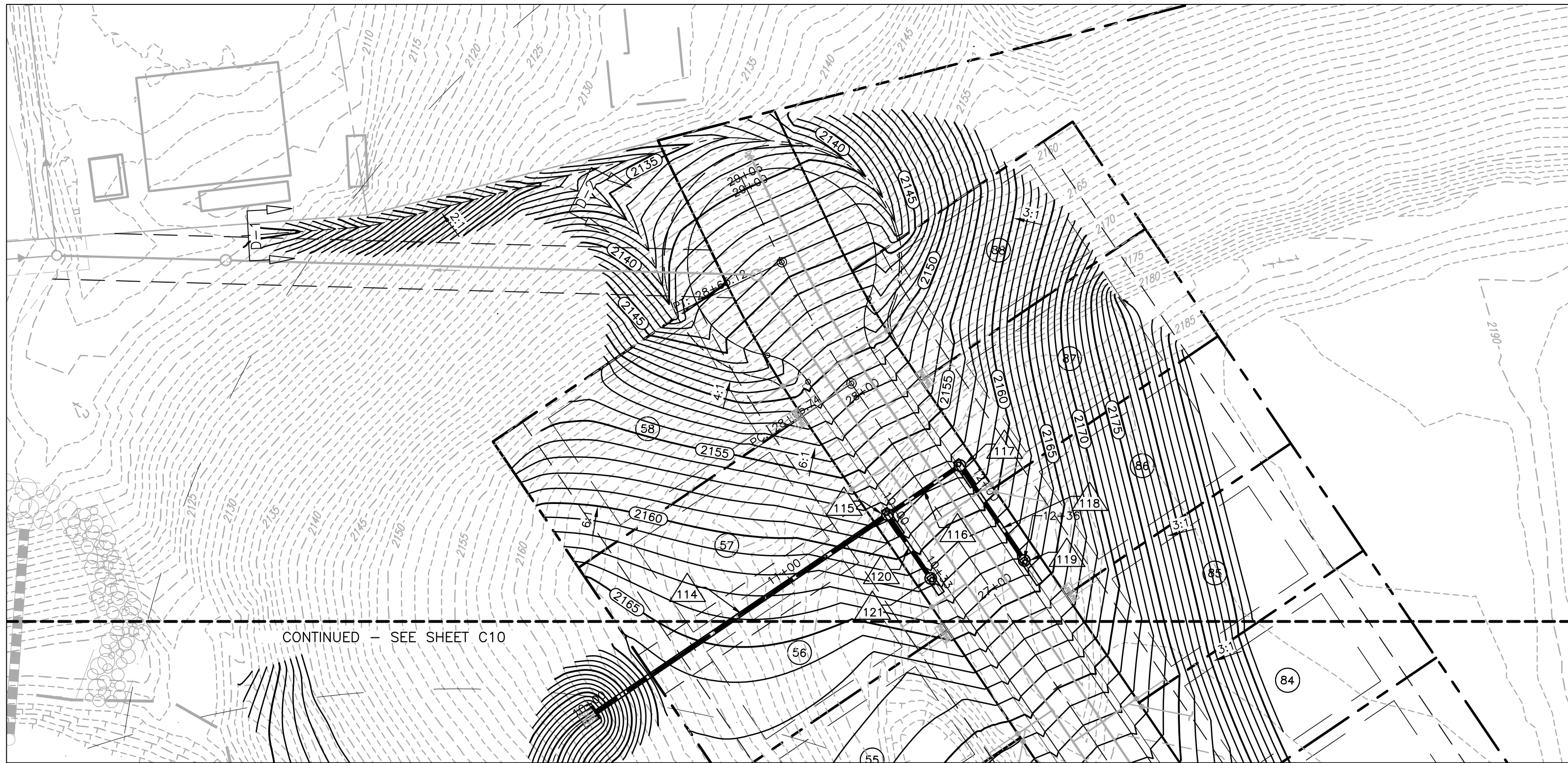
1	DI-3B W/ST-1 TOP=2212.81 H=9.46' L=10' 18" HDPE IN=2203.45 18" HDPE OUT=2203.35	16	128.58 LF OF 15" TYPE S HDPE @ 10.00% INV. UPPER=2258.22 INV. LOWER=2245.36	104	DI-3B W/ST-1 TOP=2142.34 H=6.61' L=12' 15" HDPE IN=2135.83 15" HDPE OUT=2135.73	118	48.65 LF OF 15" TYPE S HDPE @ 15.62% INV. UPPER=2158.89 INV. LOWER=2151.29
2	173.32 LF OF 18" TYPE S HDPE @ 3.35% INV. UPPER=2209.26 INV. LOWER=2203.45	17	DI-3B W/ST-1 TOP=2264.00 H=5.78' L=12' 15" HDPE OUT=2258.22	105	52.92 LF OF 15" TYPE S HDPE @ 3.61% INV. UPPER=2137.74 INV. LOWER=2135.83	119	DI-3B W/ST-1 TOP=2163.56 H=4.67' L=12' 15" HDPE OUT=2158.89
3	DI-3B W/ST-1 TOP=2221.14 H=11.88' L=12' 18" HDPE IN=2209.36 18" HDPE OUT=2209.26	18	37.92 LF OF 15" TYPE S HDPE @ 9.25% INV. UPPER=2206.96 INV. LOWER=2203.45	106	DI-3B W/ST-1 TOP=2144.85 H=7.11' L=10' 15" HDPE OUT=2137.74	120	32.67 LF OF 15" TYPE S HDPE @ 18.61% INV. UPPER=2156.97 INV. LOWER=2150.89
4	73.59 LF OF 18" TYPE S HDPE @ 12.00% INV. UPPER=2218.19 INV. LOWER=2209.36	19	DI-3B W/ST-1 TOP=2212.60 H=5.64' L=8' 15" HDPE OUT=2206.96	107	74.32 LF OF 30" TYPE S HDPE @ 1.00% INV. UPPER=2141.71 INV. LOWER=2140.97	121	DI-3B W/ST-1 TOP=2161.64 H=4.67' L=8' 15" HDPE OUT=2156.97
5	DI-3B W/ST-1 TOP=2227.30 H=9.11' L=6' 18" HDPE IN=2218.29 18" HDPE OUT=2218.19	20	39.15 LF OF 15" TYPE S HDPE @ 11.34% INV. UPPER=2236.55 INV. LOWER=2232.11	108	DI-3B W/ST-1 & SL-1 TOP=2154.01 H=12.30' L=8' 30" HDPE IN=2141.81 30" HDPE OUT=2141.71		
6	114.37 LF OF 18" TYPE S HDPE @ 12.00% INV. UPPER=2232.01 INV. LOWER=2218.29	21	DI-3B W/ST-1 TOP=2241.22 H=4.67' L=12' 15" HDPE OUT=2236.55	109	37.17 LF OF 30" TYPE S HDPE @ 1.00% INV. UPPER=2142.18 INV. LOWER=2141.71		
7	DI-3B W/ST-1 TOP=2242.71 H=10.70' L=6' 15" HDPE IN=2232.11 18" HDPE OUT=2232.11	22	42.81 LF OF 15" TYPE S HDPE @ 11.35% INV. UPPER=2250.22 INV. LOWER=2245.36	110	DI-3B W/ST-1 TOP=2153.94 H=11.76' L=14' 30" HDPE IN=2142.28 30" HDPE OUT=2142.18		
8	77.83 LF OF 18" TYPE S HDPE @ 12.00% INV. UPPER=2241.45 INV. LOWER=2232.11	23	DI-3B W/ST-1 TOP=2254.89 H=4.67' L=8' 15" HDPE OUT=2250.22	111	114.54 LF OF 30" TYPE S HDPE @ 1.00% INV. UPPER=2143.43 INV. LOWER=2142.28		
9	48" MH-2 W/ST-1 TOP=2251.57 H=10.12' 18" HDPE IN=2241.55 18" HDPE OUT=2241.45	VIII-18	REMOVE EXISTING MANHOLE TOP AND FIT STRUCTURE WITH NEW CURB INLET TOP NEW DI-3B TOP=2139.51 L=10'	112	DI-7A W/ST-1 TOP=2147.63 H=4.20' 30" HDPE IN=2143.53 30" HDPE OUT=2143.43		
10	258.73 LF OF 18" TYPE S HDPE @ 0.76% INV. UPPER=2243.52 INV. LOWER=2241.55	VIII-20	REMOVE EXISTING MANHOLE TOP AND FIT STRUCTURE WITH NEW CURB INLET TOP NEW DI-3B TOP=2145.15 L=10'	113	59.87 LF OF 30" TYPE S HDPE @ 2.46% INV. UPPER=2145.00 INV. LOWER=2143.53		
11	DI-3A W/ST-1 TOP=2252.09 H=8.57' L=2.5' 18" HDPE IN=2243.62 18" HDPE OUT=2243.52	VIII-22	REMOVE EXISTING MANHOLE TOP AND FIT STRUCTURE WITH NEW CURB INLET TOP NEW DI-3B TOP=2139.51 L=8'	114	149.80 LF OF 18" TYPE S HDPE @ 0.79% W/ VDOT EW-1 ENDWALL INV. UPPER=2150.79 INV. LOWER=2149.61		
12	37.21 LF OF 18" TYPE S HDPE @ 1.00% INV. UPPER=2243.99 INV. LOWER=2243.62	X-2	REMOVE EXISTING MANHOLE TOP AND FIT STRUCTURE WITH NEW CURB INLET TOP NEW DI-2C TOP=2134.88 L=6'	115	DI-3B W/ST-1 TOP=2157.72 H=6.93' L=12' 15" HDPE IN=2150.89 15" HDPE OUT=2150.79		
13	DI-3C W/ST-1 TOP=2252.09 H=8.10' L=10.00' 15" HDPE IN=2244.09 18" HDPE OUT=2243.99	101	38.28 LF OF 15" TYPE S HDPE @ 3.36% INV. UPPER=2128.79 INV. LOWER=2127.50	116	37.17 LF OF 15" TYPE S HDPE @ 0.80% INV. UPPER=2151.19 INV. LOWER=2150.89		
14	93.72 LF OF 15" TYPE S HDPE @ 1.25% INV. UPPER=2245.26 INV. LOWER=2244.09	102	DI-3C W/ST-1 TOP=2136.81 H=8.02' L=10' 15" HDPE IN=2128.89 15" HDPE OUT=2128.79	117	DI-3B W/ST-1 TOP=2157.72 H=6.53' L=12' 15" HDPE IN=2151.29 15" HDPE OUT=2151.19		
15	DI-3B W/ST-1 TOP=2253.98 H=8.72' L=10' 15" HDPE IN=2245.36 15" HDPE OUT=2245.36	103	170.89 LF OF 15" TYPE S HDPE @ 4.00% INV. UPPER=2135.73 INV. LOWER=2128.89				



LAYOUT, UTILITY, & GRADING PLAN – SOUTH AREA B (ABOVE)



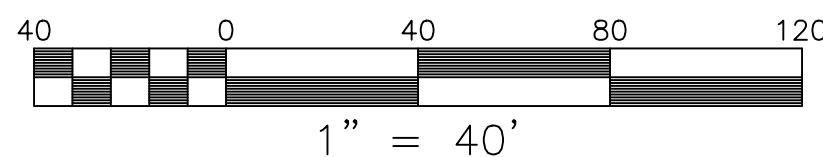
LAYOUT & UTILITY PLAN – NORTH AREA B (ABOVE)



GRADING PLAN – NORTH AREA B (ABOVE)

LEGEND

- (A) VDOT STOP SIGN (R1-1)
- (B) ROLL TOP CURB
- (C) PAVEMENT JOINT
- (D) ASPHALT TRAIL
5' WIDE U.N.O.
- (CO) CLEANOUT
- (S) SEWER LATERAL 6"
X UTILITY CONTR.
EXISTING
- (M) METER WATER 8"
X TOWN OF CHRISTIANBURG
UTILITY CONTR.
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BEYOND W.M. BY PLUMB.
- (W) WATER LATERAL 3/4" (SINGLE SERVICE)
1" (DUAL SERVICE)
- X TOWN OF CHRISTIANBURG
UTILITY CONTR.
EXISTING
- STANDARD DUTY
ASPHALT PAVING



APPROVED: Engineering	Date
APPROVED: Planning	Date

KENSINGTON PHASE XI

LAYOUT, UTILITY, & GRADING PLAN - SOUTH & NORTH AREA B



BALZER & ASSOCIATES
PLANNERS / ARCHITECTS
ENGINEERS / SURVEYORS

Roanoke / Richmond
New River Valley
Shenandoah Valley

www.balzer.cc

80 College Street
Suite H
Christiansburg, VA 24073
540.381.4290

DRAWN BY ACN / AWC
DESIGNED BY ACN / AWC
CHECKED BY JRT
DATE 01/31/2024
SCALE 1"=40'
REVISIONS