Board of Public Works
Staff Report

Project/Event:	Trueline Infrastructure Solutions City Wide Fiber Project
Staff Representative:	Kyle Baugh
Petitioner/Representative:	Bret Simons / Jerrod Gabriel
Date:	October 8th, 2024

Report: Trueline Infrastructure Solutions (formerly AEG) is requesting extensions of 12 previously approved permits that included lane and sidewalk closures across the city, to January 31st, 2025. The longer extension request will capture the needed timeframe to closeout each permit area and will likely be completed prior to the requested date.

TRUELINE
INFRASTRUCTURE SOLUTIONS

www.truelineinfrastructure.com

To: City of Bloomington – Engineering Department

Subject: City of Bloomington Right of Way Extension

Dear Board Members,

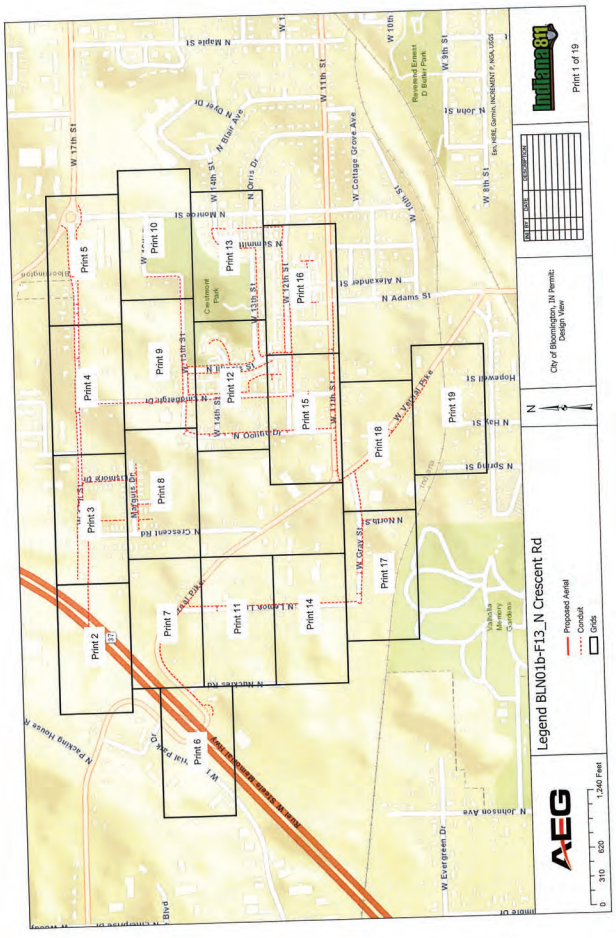
Trueline Infrastructure Solutions is respectfully requesting an extension to access the ROWs on expired permits in the city.

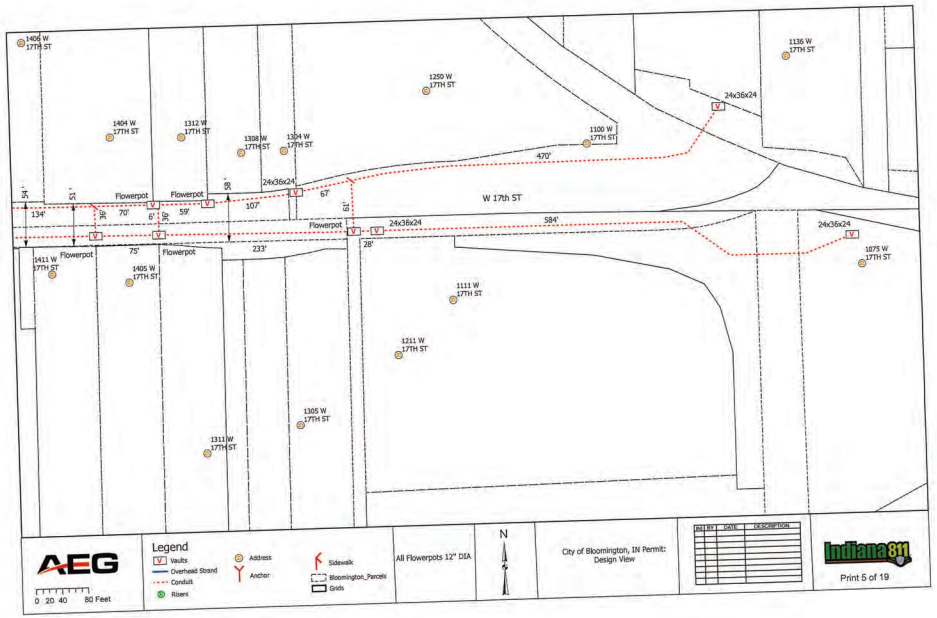
We are asking for extensions on the following permits. We were unable to finish or start work in these areas due to unforeseen circumstances (Pole Co-op not responding in a timely manner, locates failing to be called out and Weather).

We would like to extend these permits until January 31st 2025.

BLN01b-F13_N Crescent Rd
BLN01a-F02_E 19th St
BLN01b-F12_N Hay St
BLN01b-F11_N Williams St
BLC02a-F14_S Maxwell St
BLN01b-F09_N Lincoln St
BLN01b-F18_W Smith Ave
BLC02a-F10_ S Stull Ave
BLN01b-F10_N Morton St
BLC02a-F07_E Moody Dr
BLN01b-F17_Grant St
BLN01b-F16_Kirby Aly

Bret Simons
Engineering Permit Team Lead
Trueline Infrastructure Solutions




1406 W 17TH ST
1404 W 17TH ST
1312 W 17TH ST
1308 W 17TH ST
1304 W 17TH ST
1250 W 17TH ST
1136 W 17TH ST
1100 W 17TH ST
1075 W 17TH ST
1411 W 17TH ST
1405 W 17TH ST
1311 W 17TH ST
1305 W 17TH ST
1211 W 17TH ST
1111 W 17TH ST
W 17th ST
24x36x24
Flowerpot
470'
584'
233'
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
REV BY DATE DESCRIPTION
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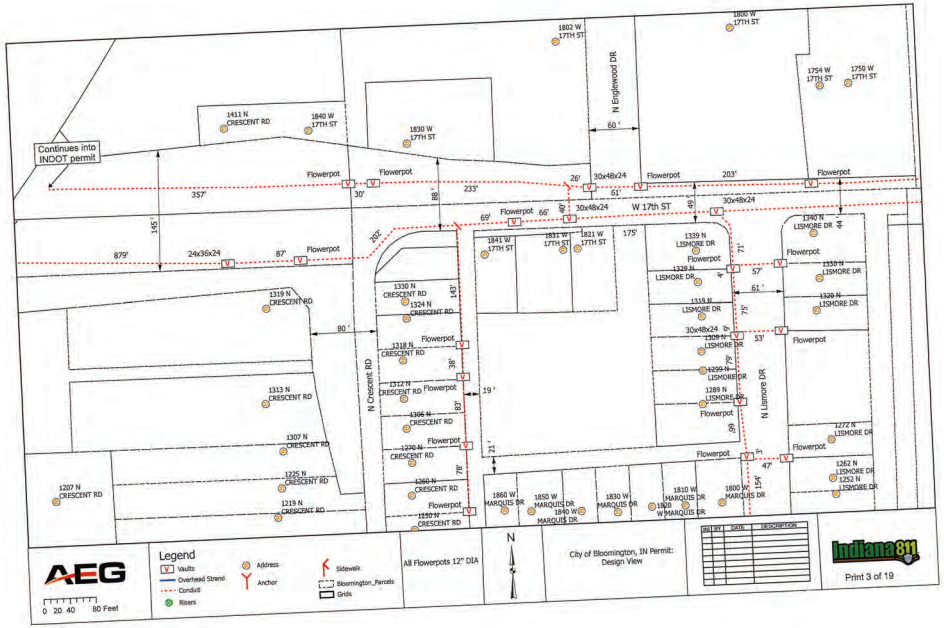
Continues into INDOT permit
1411 N CRESCENT RD
1840 W 17TH ST
1830 W 17TH ST
1802 W 17TH ST
1800 W 17TH ST
1754 W 17TH ST
1750 W 17TH ST
N Englewood DR
W 17th ST
30x48x24
24x36x24
Flowerpot
1319 N CRESCENT RD
1313 N CRESCENT RD
1307 N CRESCENT RD
1225 N CRESCENT RD
1219 N CRESCENT RD
1207 N CRESCENT RD
1330 N CRESCENT RD
1324 N CRESCENT RD
1318 N CRESCENT RD
1312 N CRESCENT RD
1306 N CRESCENT RD
1300 N CRESCENT RD
1260 N CRESCENT RD
1250 N CRESCENT RD
N Crescent RD
1841 W 17TH ST
1831 W 17TH ST
1821 W 17TH ST
1339 N LISMORE DR
1329 N LISMORE DR
1319 N LISMORE DR
1309 N LISMORE DR
1299 N LISMORE DR
1289 N LISMORE DR
1346 N LISMORE DR
1332 N LISMORE DR
1320 N LISMORE DR
1272 N LISMORE DR
1262 N LISMORE DR
1252 N LISMORE DR
N Lismore DR
1860 W MARQUIS DR
1850 W MARQUIS DR
1840 W MARQUIS DR
1830 W MARQUIS DR
1820 W MARQUIS DR
1810 W MARQUIS DR
1800 W MARQUIS DR
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
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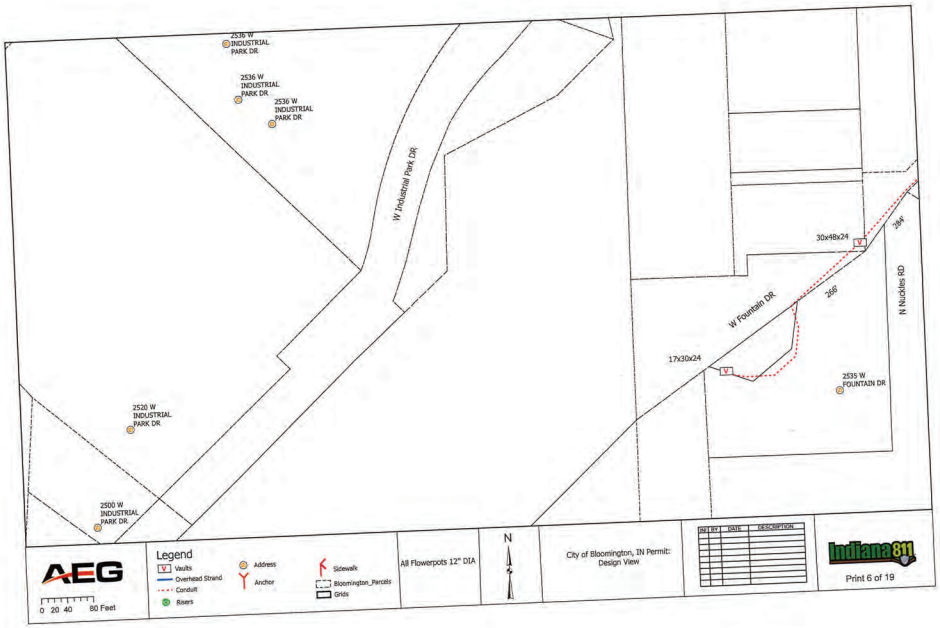
2536 W INDUSTRIAL PARK DR
2536 W INDUSTRIAL PARK DR
2536 W INDUSTRIAL PARK DR
W Industrial Park DR
2520 W INDUSTRIAL PARK DR
2500 W INDUSTRIAL PARK DR
W Fountain DR
N Nuddles RD
30x48x24
17x30x24
2535 W FOUNTAIN DR
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
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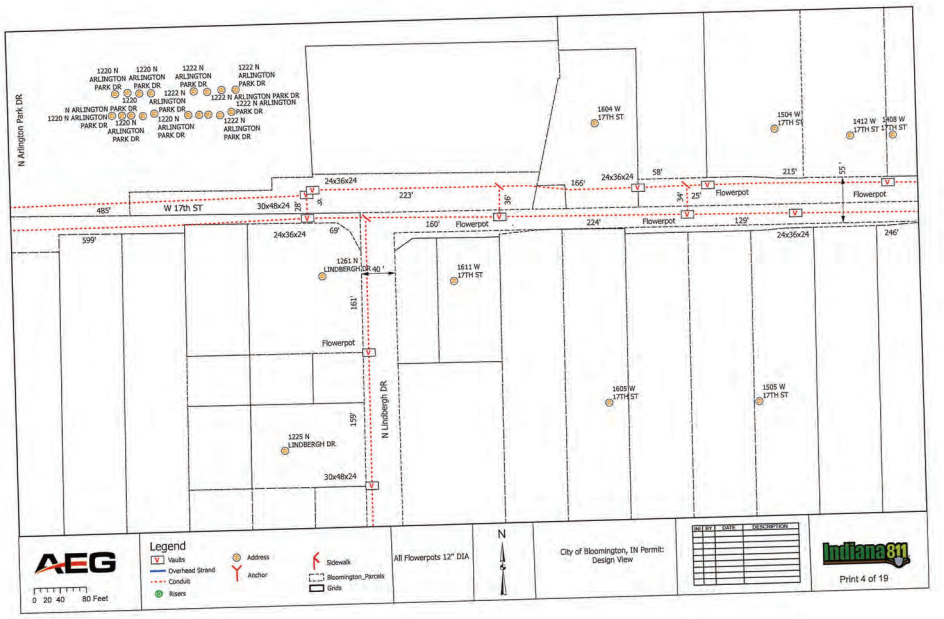
N Arlington Park DR
1220 N ARLINGTON PARK DR
1222 N ARLINGTON PARK DR
1604 W 17TH ST
1504 W 17TH ST
1412 W 17TH ST
1408 W 17TH ST
W 17th ST
24x36x24
30x48x24
Flowerpot
1261 N LINDBERGH DR
1611 W 17TH ST
1605 W 17TH ST
1505 W 17TH ST
N Lindbergh DR
1225 N LINDBERGH DR
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
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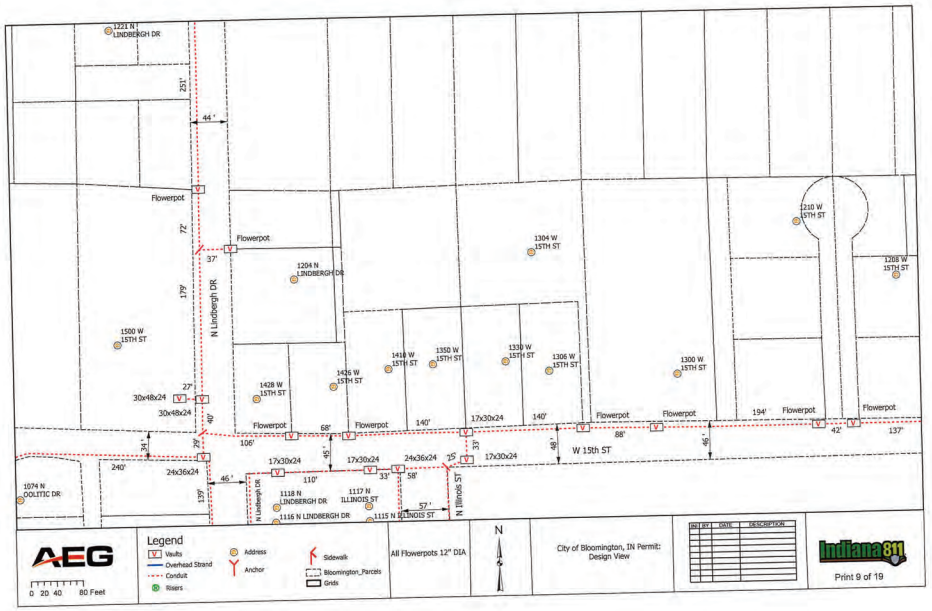
1221 N LINDBERGH DR
251'
44'
Flowerpot
72'
37'
Flowerpot
1204 N LINDBERGH DR
1304 W 15TH ST
1210 W 15TH ST
1208 W 15TH ST
N Lindbergh DR
179'
1500 W 15TH ST
27'
30x48x24
30x48x24
40'
1428 W 15TH ST
1426 W 15TH ST
1418 W 15TH ST
1350 W 15TH ST
1339 W 15TH ST
1306 W 15TH ST
1300 W 15TH ST
Flowerpot
68'
Flowerpot
140'
17x30x24
140'
Flowerpot
Flowerpot
194'
Flowerpot
137'
42'
106'
88'
W 15th ST
24'
29'
240'
24x36x24
46'
139'
17x30x24
45'
17x30x24
24x36x24
15'
17x30x24
33'
38'
48'
46'
33'
N Illinois ST
N Lindbergh DR
110'
1118 N LINDBERGH DR
1117 N ILLINOIS ST
1116 N LINDBERGH DR
1115 N ILLINOIS ST
57'
1074 N OOLITIC DR
AEG
0 20 40 80 Feet
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
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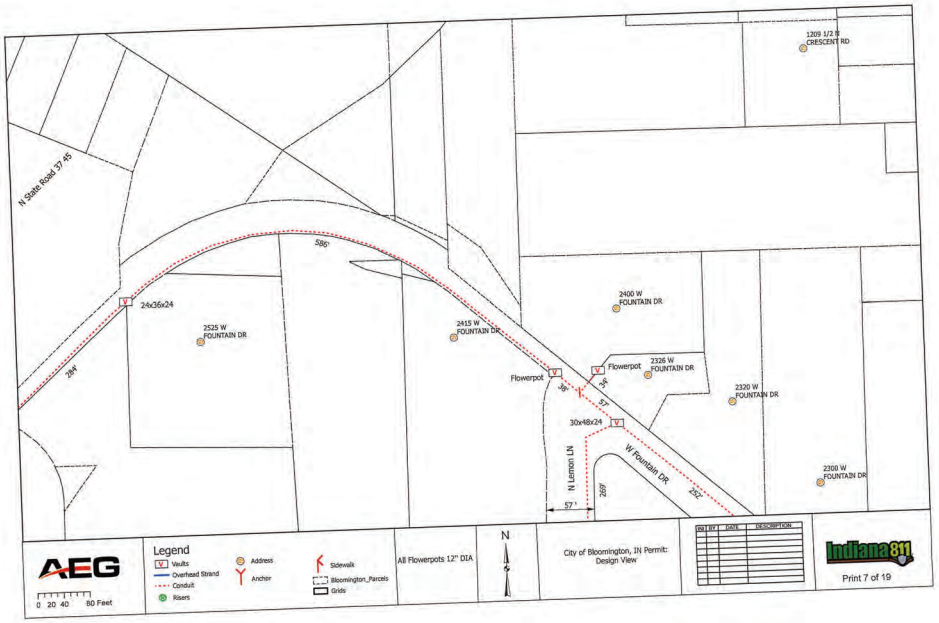
1209 1/3 N CRESCENT RD
N State Road 37-45
586'
24x36x24
2525 W FOUNTAIN DR
2415 W FOUNTAIN DR
2400 W FOUNTAIN DR
Flowerpot
2326 W FOUNTAIN DR
2320 W FOUNTAIN DR
284'
36'
45'
37'
30x48x24
N Lemon LN
W Fountain Dr
252'
269'
57'
2300 W FOUNTAIN DR
AEG
0 20 40 80 Feet
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
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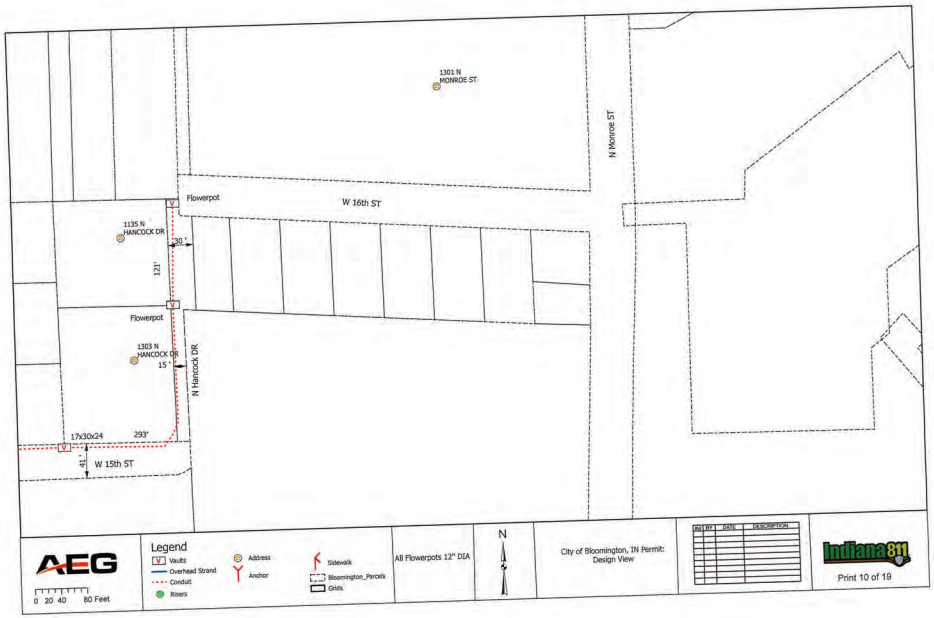
1301 N MONROE ST
N Monroe ST
Flowerpot
W 16th ST
1135 N HANCOCK DR
30'
121'
Flowerpot
1303 N HANCOCK DR
15'
N Hancock DR
17x30x24
293'
41'
W 15th ST
AEG
0 20 40 80 Feet
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
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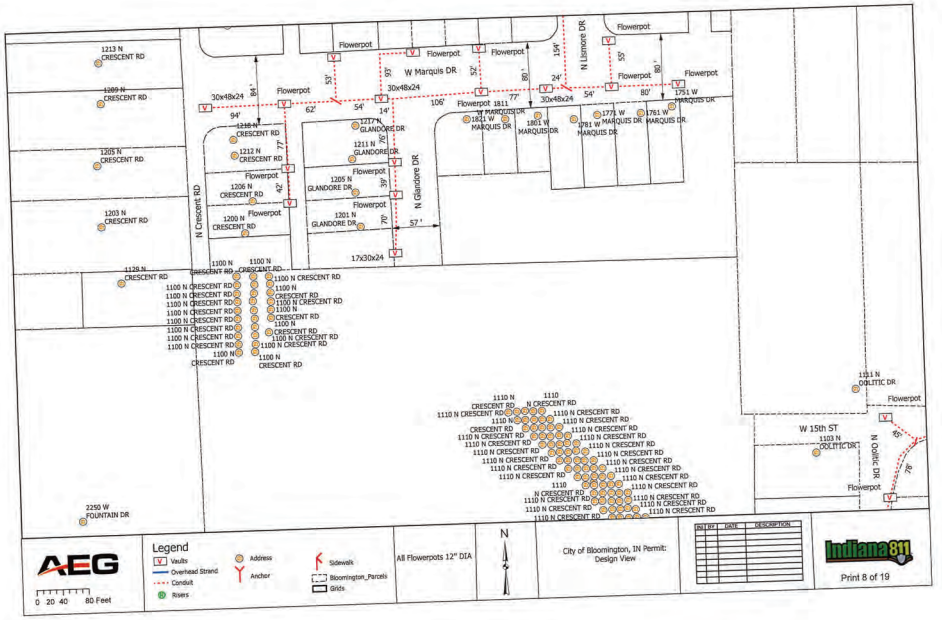
1213 N CRESCENT RD
1209 N CRESCENT RD
1205 N CRESCENT RD
1203 N CRESCENT RD
1129 N CRESCENT RD
Flowerpot
W Marquis DR
N Lismore DR
30x48x24
30x48x24
30x48x24
1811 W MARQUIS DR
1801 W MARQUIS DR
1771 W MARQUIS DR
1761 W MARQUIS DR
1751 W MARQUIS DR
1781 W MARQUIS DR
1216 N CRESCENT RD
1212 N CRESCENT RD
1217 N GLANDORE DR
1211 N GLANDORE DR
1206 N CRESCENT RD
1205 N GLANDORE DR
1200 N CRESCENT RD
1201 N GLANDORE DR
N Crescent RD
N Glandore DR
17x30x24
1100 N CRESCENT RD
1110 N CRESCENT RD
1111 N OOLITIC DR
W 15th ST
1101 N OOLITIC DR
N Oolitic Dr
2250 W FOUNTAIN DR
AEG
0 20 40 80 Feet
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
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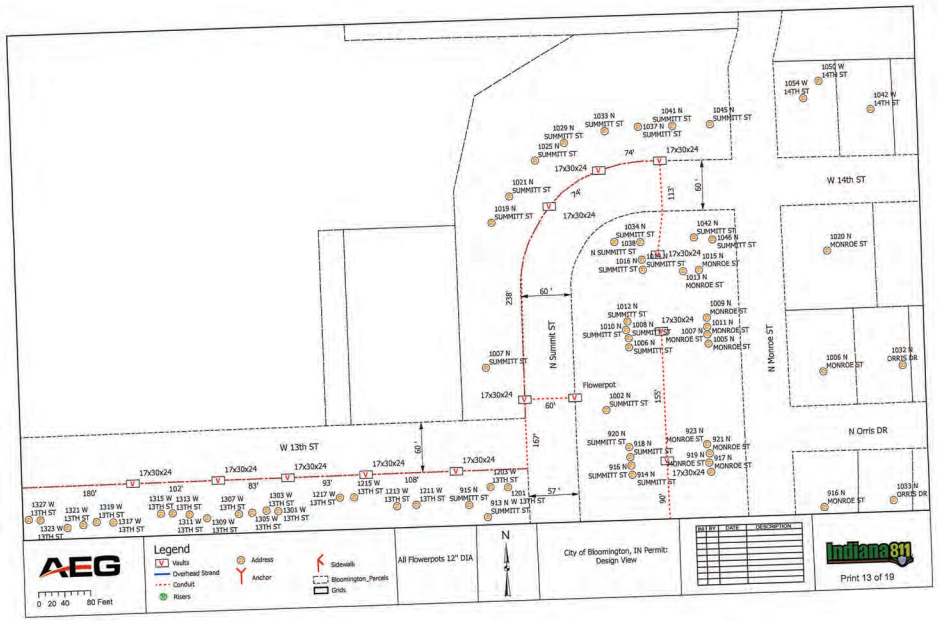
W 13th ST
N Summit ST
N Monroe ST
N Orris DR
W 14th ST
Flowerpot
17x30x24
60'
Legend
Vaults
Overhead Strand
Conduit
Risers
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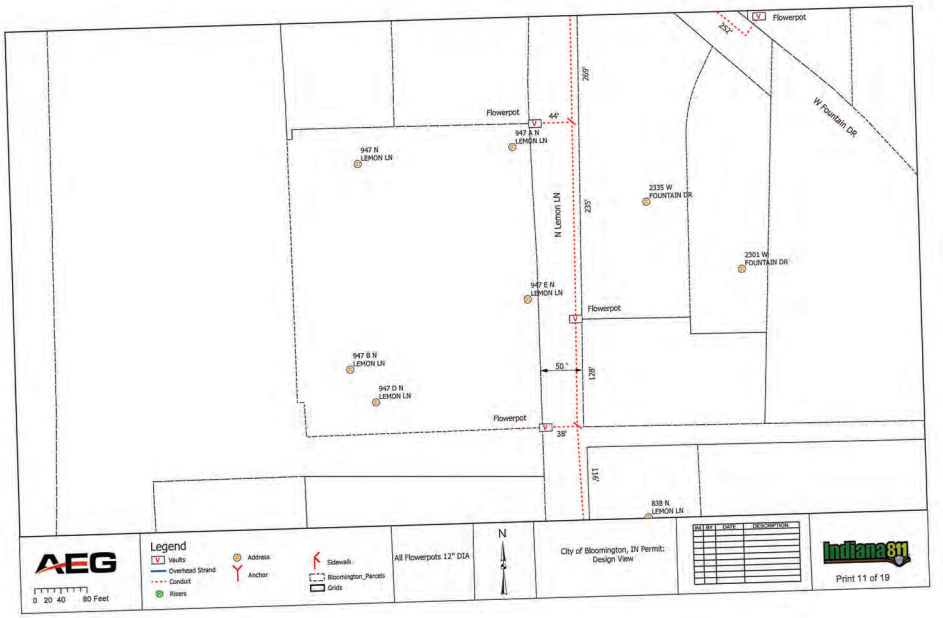
Flowerpot
W Fountain Dr
N Lemon LN
947 N LEMON LN
947 B N LEMON LN
947 D N LEMON LN
947 E N LEMON LN
2335 W FOUNTAIN DR
2301 W FOUNTAIN DR
838 N LEMON LN
Legend
Vaults
Overhead Strand
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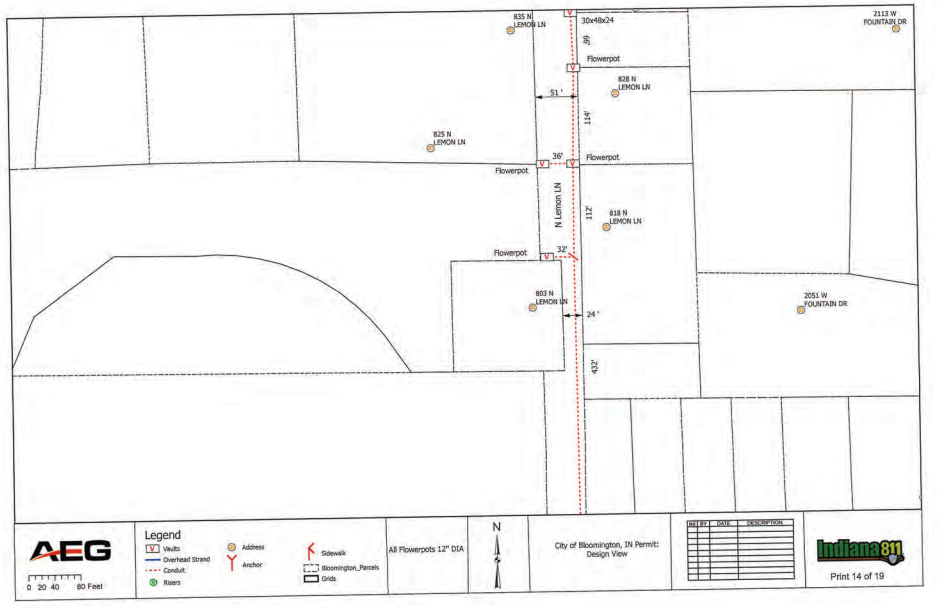
W 13th ST
N Lemon LN
Flowerpot
30x48x24
17x30x24
825 N LEMON LN
828 N LEMON LN
818 N LEMON LN
803 N LEMON LN
835 N LEMON LN
2113 W FOUNTAIN DR
2051 W FOUNTAIN DR
Legend
Vaults
Overhead Strand
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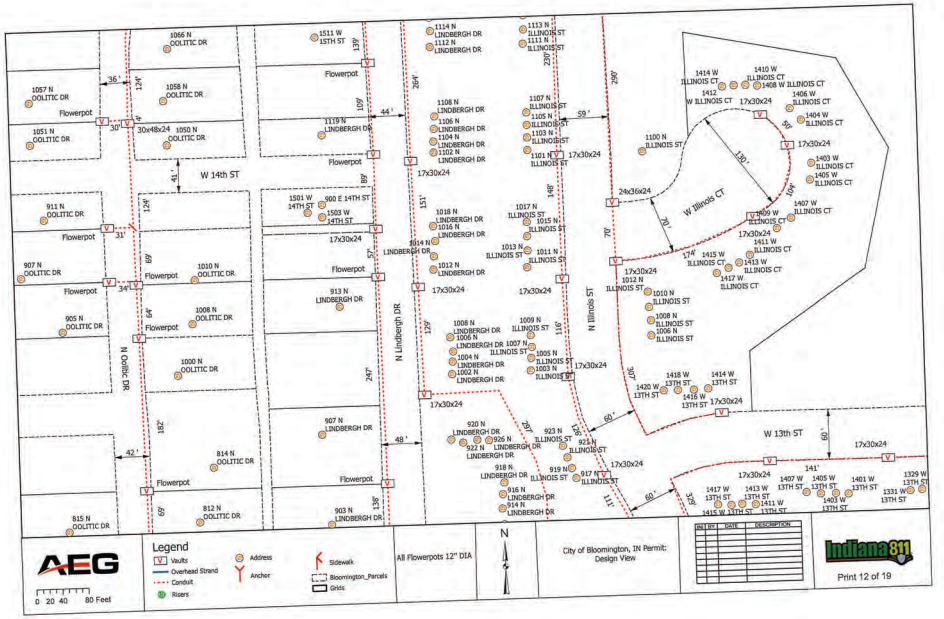
W 14th ST
W 13th ST
N Lindbergh DR
N Illinois ST
N Dorsey DR
W Illinois CT
Flowerpot
17x30x24
24x36x24
Legend
Vaults
Overhead Strand
Conduit
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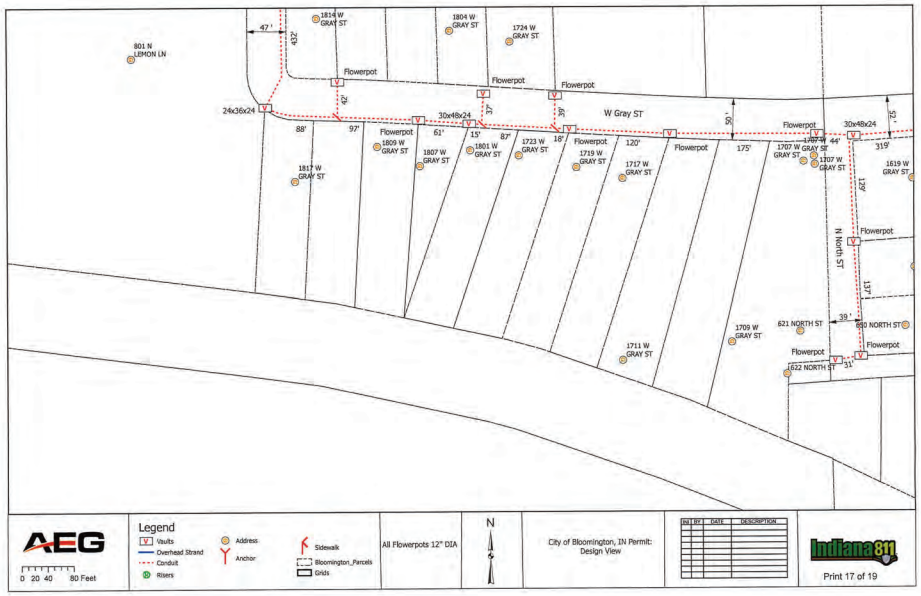
801 N LEMON LN
1814 W GRAY ST
1804 W GRAY ST
1724 W GRAY ST
Flowerpot
24x36x24
30x48x24
W Gray ST
1809 W GRAY ST
1807 W GRAY ST
1801 W GRAY ST
1723 W GRAY ST
1719 W GRAY ST
1717 W GRAY ST
1707 W GRAY ST
1817 W GRAY ST
1619 W GRAY ST
N 1ST ST
621 NORTH ST
620 NORTH ST
622 NORTH ST
1709 W GRAY ST
1711 W GRAY ST
Legend
Vaults
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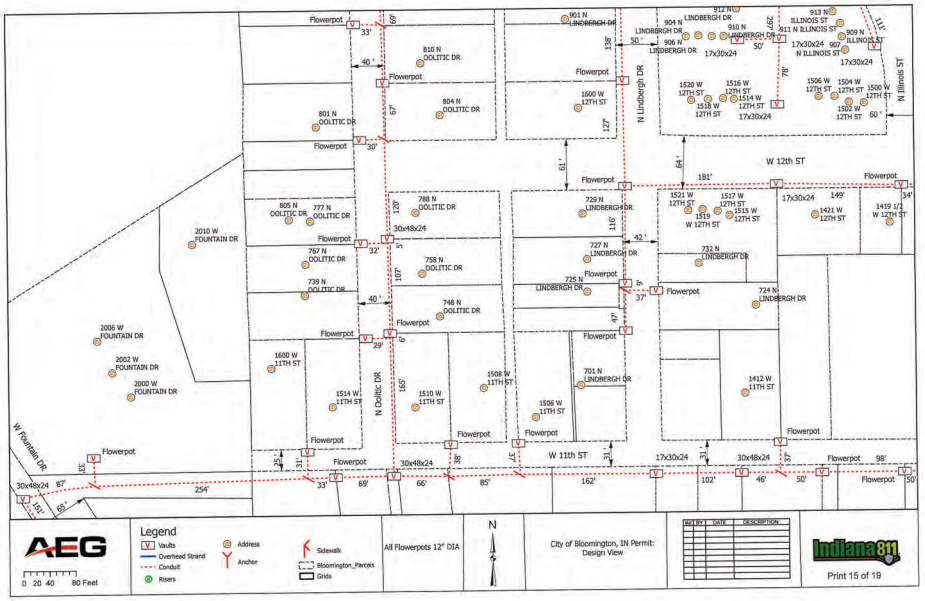
Flowerpot
810 N OOLITIC DR
804 N OOLITIC DR
801 N OOLITIC DR
805 N OOLITIC DR
777 N OOLITIC DR
788 N OOLITIC DR
30x48x24
767 N OOLITIC DR
758 N OOLITIC DR
739 N OOLITIC DR
748 N OOLITIC DR
2010 W FOUNTAIN DR
2006 W FOUNTAIN DR
2002 W FOUNTAIN DR
2000 W FOUNTAIN DR
1600 W 11TH ST
1514 W 11TH ST
1510 W 11TH ST
1508 W 11TH ST
1506 W 11TH ST
N OOLITIC DR
W Fountain DR
W 11th ST
254'
901 N LINDBERGH DR
912 N LINDBERGH DR
904 N LINDBERGH DR
906 N LINDBERGH DR
910 N LINDBERGH DR
17x30x24
913 N ILLINOIS ST
911 N ILLINOIS ST
909 N ILLINOIS ST
907 N ILLINOIS ST
N ILLINOIS ST
1600 W 12TH ST
1520 W 12TH ST
1518 W 12TH ST
1516 W 12TH ST
1514 W 12TH ST
1506 W 12TH ST
1504 W 12TH ST
1502 W 12TH ST
1500 W 12TH ST
N LINDBERGH DR
W 12th ST
729 N LINDBERGH DR
727 N LINDBERGH DR
725 N LINDBERGH DR
732 N LINDBERGH DR
724 N LINDBERGH DR
1521 W 12TH ST
1519 W 12TH ST
1517 W 12TH ST
1515 W 12TH ST
1421 W 12TH ST
1419 1/2 W 12TH ST
1412 W 11TH ST
701 N LINDBERGH DR
Legend
Vaults
Overhead Strand
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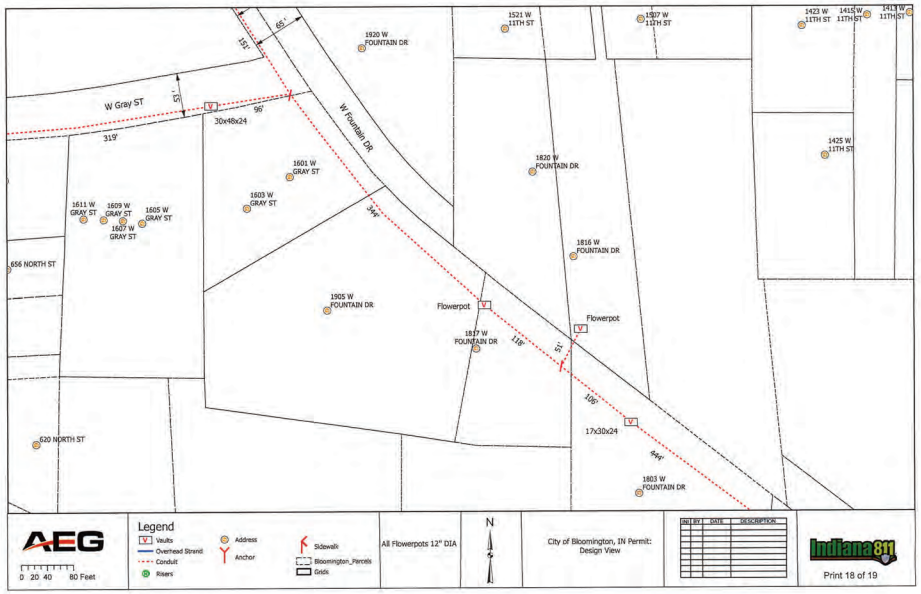
1521 W 11TH ST
1507 W 11TH ST
1423 W 11TH ST
1415 W 11TH ST
1413 W 11TH ST
1920 W FOUNTAIN DR
W Gray ST
W Fountain DR
30x48x24
319'
1601 W GRAY ST
1603 W GRAY ST
1611 W GRAY ST
1609 W GRAY ST
1605 W GRAY ST
1607 W GRAY ST
1830 W FOUNTAIN DR
1816 W FOUNTAIN DR
1425 W 11TH ST
656 NORTH ST
1905 W FOUNTAIN DR
1817 W FOUNTAIN DR
Flowerpot
17x30x24
620 NORTH ST
1803 W FOUNTAIN DR
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
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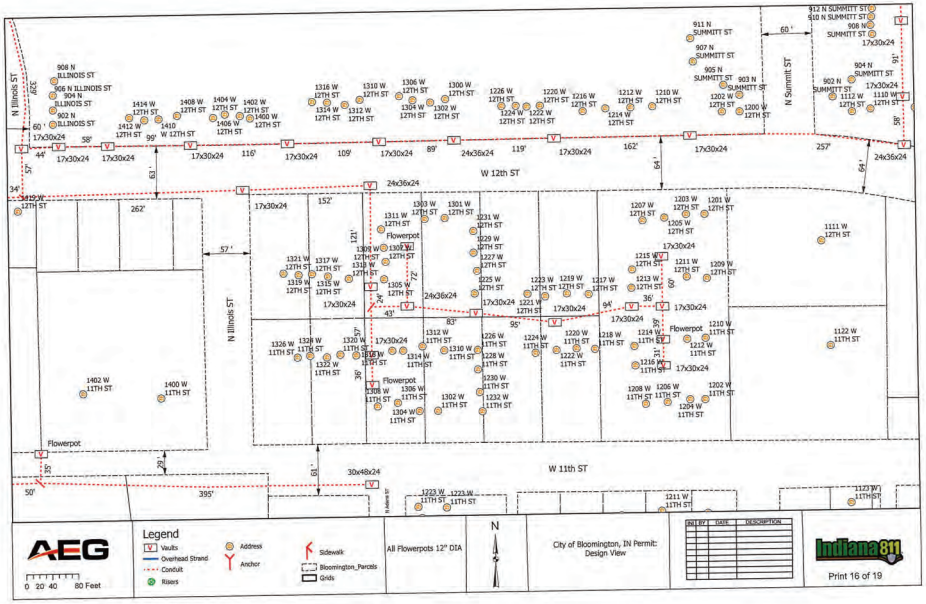
908 N ILLINOIS ST
906 N ILLINOIS ST
904 N ILLINOIS ST
902 N ILLINOIS ST
N Illinois ST
911 N SUMMITT ST
907 N SUMMITT ST
905 N SUMMITT ST
903 N SUMMITT ST
912 N SUMMITT ST
910 N SUMMITT ST
908 N SUMMITT ST
904 N SUMMITT ST
902 N SUMMITT ST
N Summitt ST
17x30x24
24x36x24
W 12th ST
1419 W 12TH ST
1414 W 12TH ST
1412 W 12TH ST
1410 W 12TH ST
1408 W 12TH ST
1406 W 12TH ST
1404 W 12TH ST
1402 W 12TH ST
1400 W 12TH ST
1316 W 12TH ST
1314 W 12TH ST
1312 W 12TH ST
1310 W 12TH ST
1308 W 12TH ST
1306 W 12TH ST
1304 W 12TH ST
1302 W 12TH ST
1300 W 12TH ST
1226 W 12TH ST
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1216 W 12TH ST
1214 W 12TH ST
1212 W 12TH ST
1210 W 12TH ST
1208 W 12TH ST
1206 W 12TH ST
1204 W 12TH ST
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1112 W 12TH ST
1110 W 12TH ST
1111 W 12TH ST
1122 W 11TH ST
1402 W 11TH ST
1400 W 11TH ST
1303 W 12TH ST
1301 W 12TH ST
1311 W 12TH ST
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1307 W 12TH ST
1305 W 12TH ST
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1227 W 12TH ST
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1209 W 12TH ST
1207 W 12TH ST
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1304 W 11TH ST
1302 W 11TH ST
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1222 W 11TH ST
1220 W 11TH ST
1218 W 11TH ST
1216 W 11TH ST
1214 W 11TH ST
1212 W 11TH ST
1210 W 11TH ST
1208 W 11TH ST
1206 W 11TH ST
1204 W 11TH ST
1202 W 11TH ST
1209 W 11TH ST
W 11th ST
30x48x24
395'
1223 W 11TH ST
1211 W 11TH ST
1123 W 11TH ST
Legend
Vaults
Overhead Strand
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Address
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Bloomington_Parcels
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All Flowerpots 12" DIA
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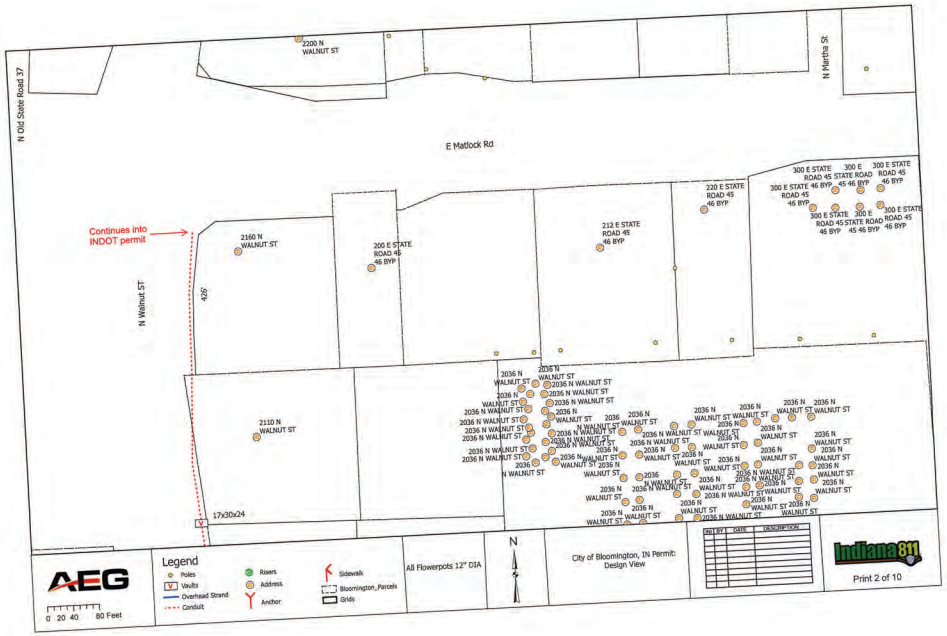
0 20 40 80 Feet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N Martha St
E Matlock Rd
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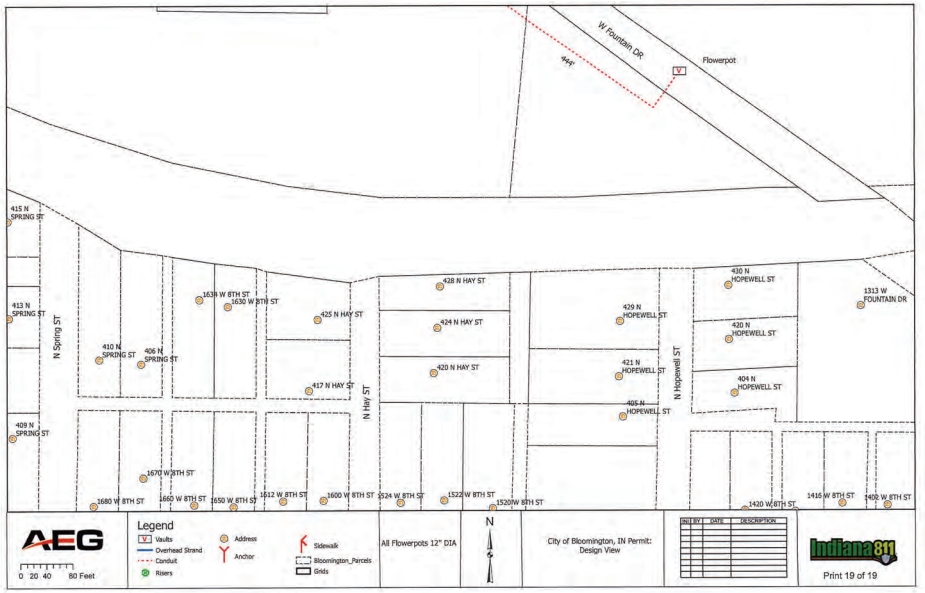
N Walnut ST
2200 N WALNUT ST
2160 N WALNUT ST
2110 N WALNUT ST
200 E STATE ROAD 45 46 BYP
212 E STATE ROAD 45 46 BYP
220 E STATE ROAD 45 46 BYP
300 E STATE ROAD 45 46 BYP
409
17x30x24
AEG
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
Indiana 811
Print 2 of 10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Flowerpot
N Spring St
N Hay St
N Hopewell St
415 N SPRING ST
413 N SPRING ST
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406 N SPRING ST
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1639 W 8TH ST
1630 W 8TH ST
425 N HAY ST
424 N HAY ST
420 N HAY ST
417 N HAY ST
438 N HAY ST
429 N HOPEWELL ST
421 N HOPEWELL ST
405 N HOPEWELL ST
430 N HOPEWELL ST
420 N HOPEWELL ST
404 N HOPEWELL ST
1313 W FOUNTAIN DR
1670 W 8TH ST
1680 W 8TH ST
1660 W 8TH ST
1650 W 8TH ST
1612 W 8TH ST
1600 W 8TH ST
1524 W 8TH ST
1322 W 8TH ST
1520W 8TH ST
1420 W 8TH ST
1416 W 8TH ST
1402 W 8TH ST
AEG
Legend
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
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All Flowerpots 12" DIA
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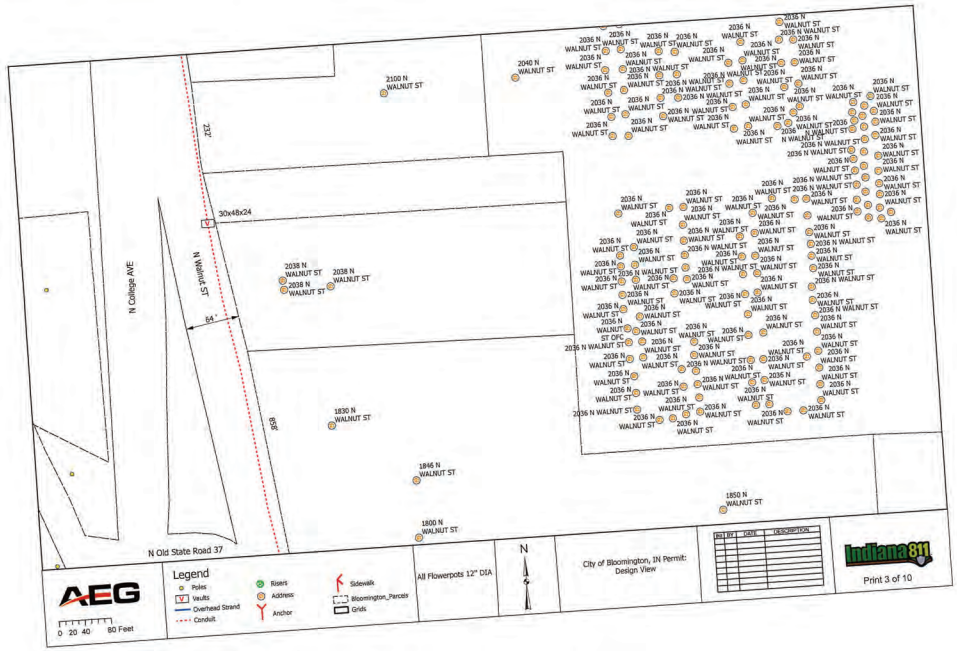
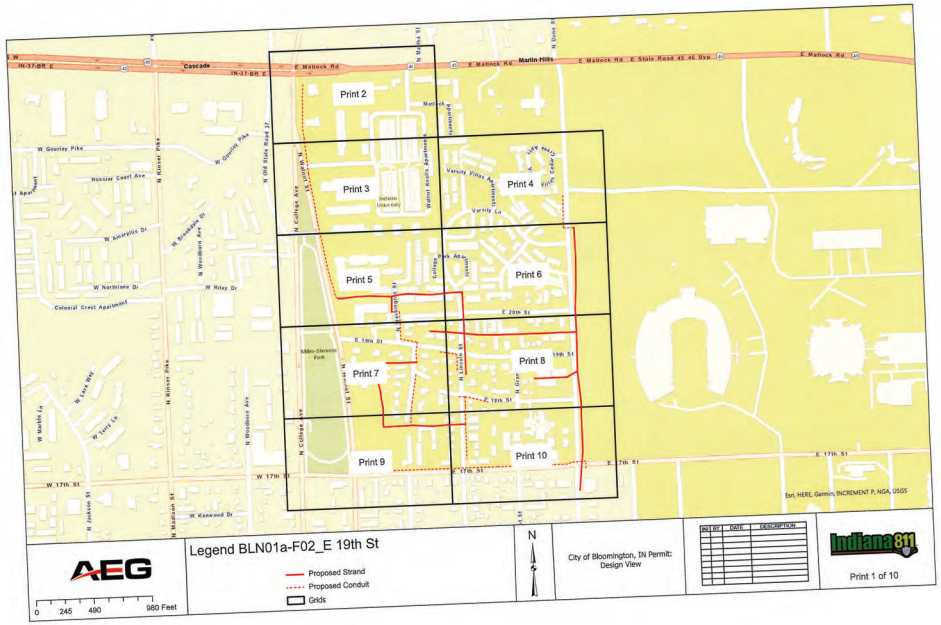
City of Bloomington, IN Permit: Design View
Indiana 811
Print 19 of 19


N College AVE
N Walnut ST
N Old State Road 37
2100 N WALNUT ST
2040 N WALNUT ST
2038 N WALNUT ST
1830 N WALNUT ST
1846 N WALNUT ST
1800 N WALNUT ST
1850 N WALNUT ST
30x48x24
64'
232'
358'
AEG
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
Indiana 811
Print 3 of 10


Print 2
Print 3
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E Matlock Rd
E State Road 45 46 Byp
Martin Hills
Cascade
W Gourley Pike
N Kinser Pike
N College Ave
N Woodlawn Ave
W Riley Dr
E 19th St
E 17th St
W 17th St
W Kenwood Dr
Esri, HERE, Garmin, INCREMENT P, NGA, USGS
AEG
Legend BLN01a-F02_E 19th St
Proposed Strand
Proposed Conduit
Grids
0 245 490 980 Feet
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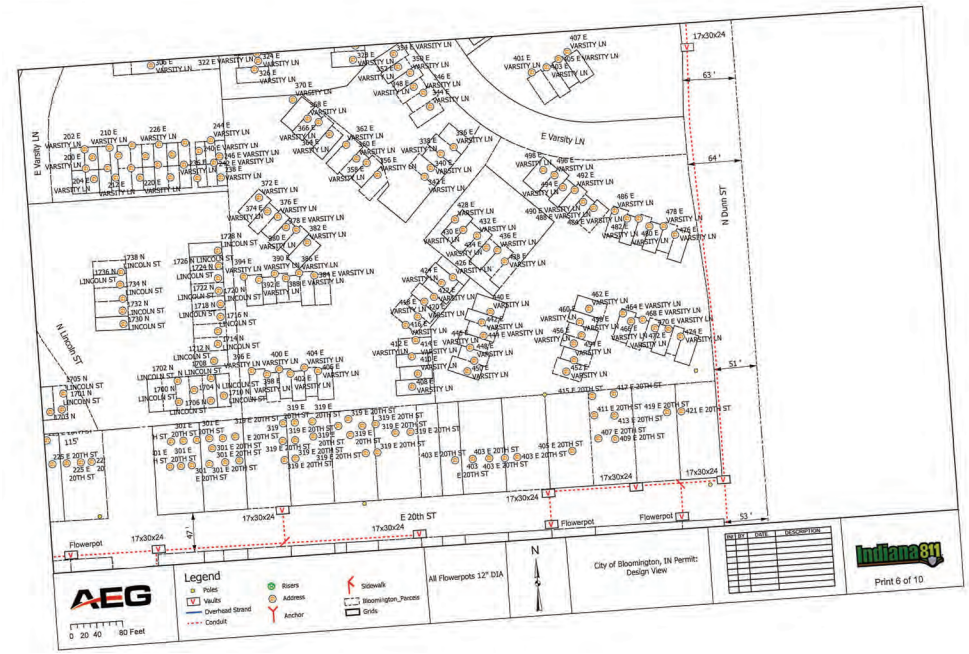
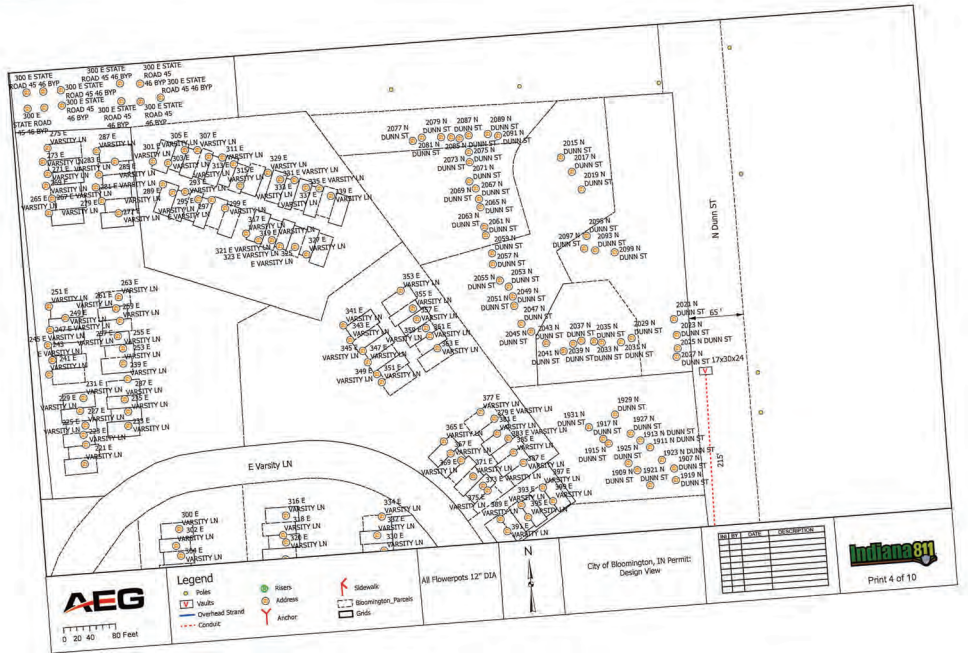
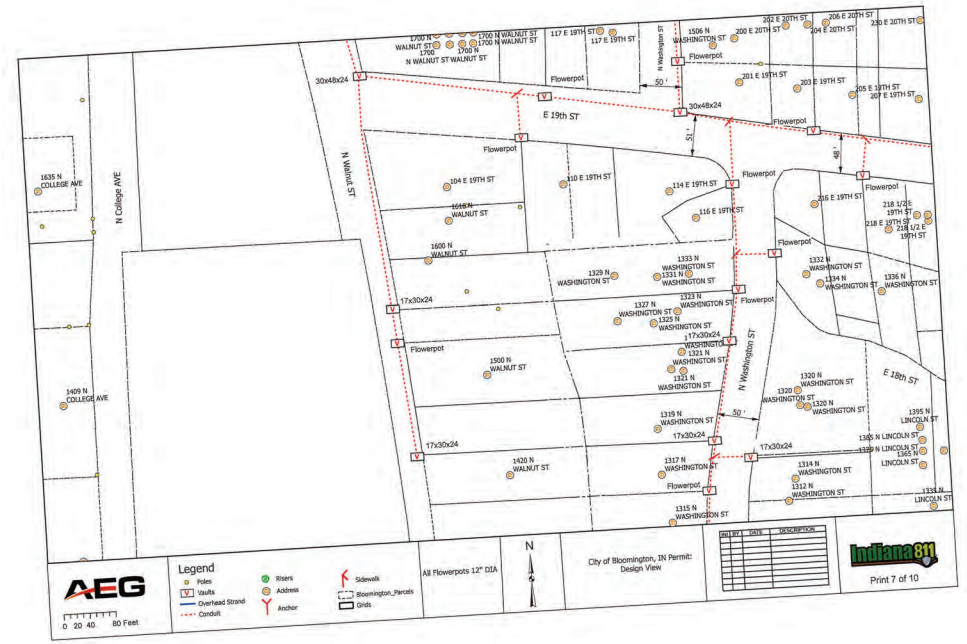
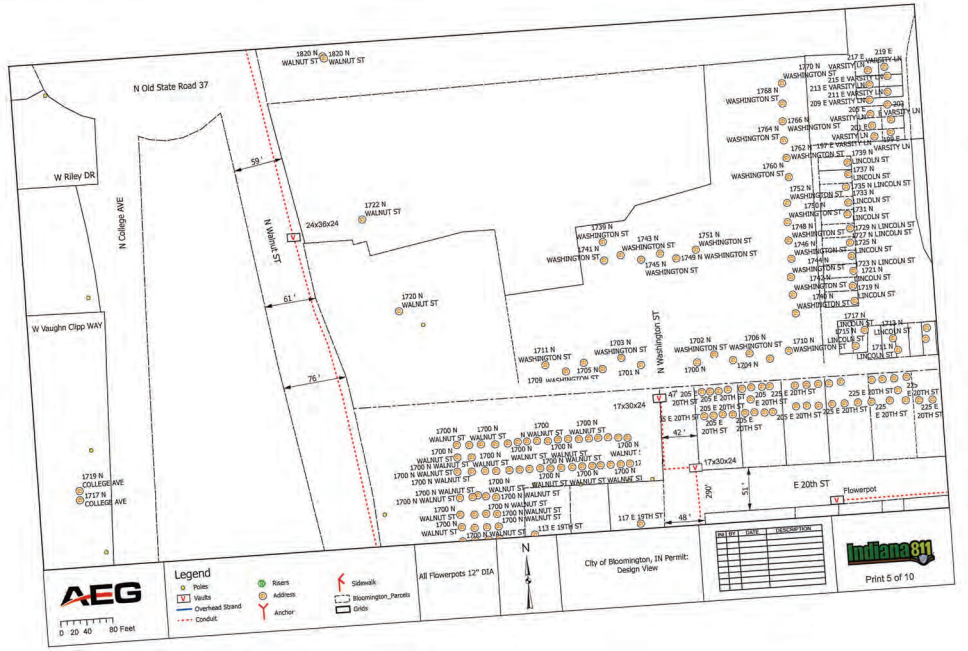
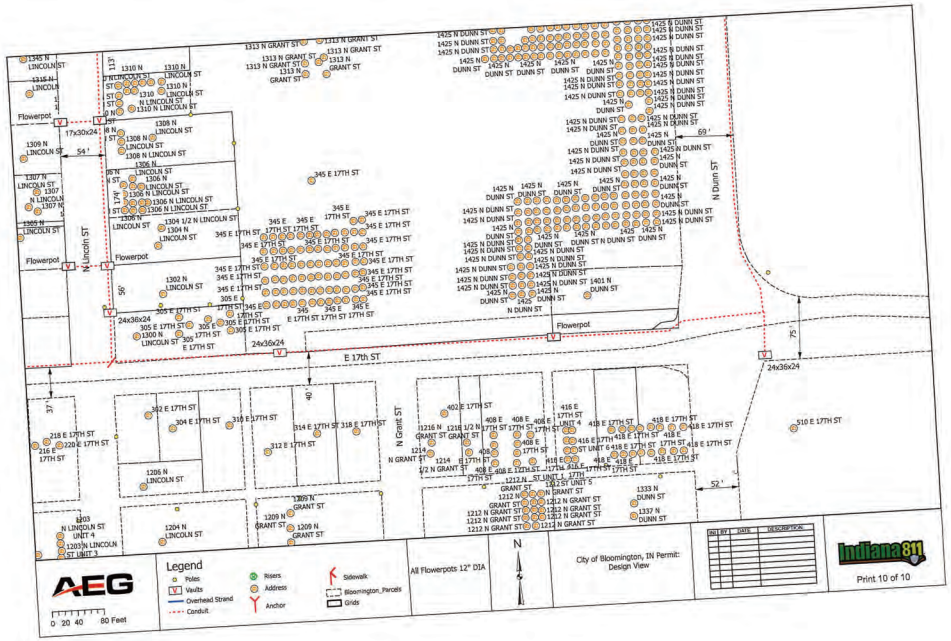
City of Bloomington, IN Permit: Design View
Indiana 811
Print 1 of 10

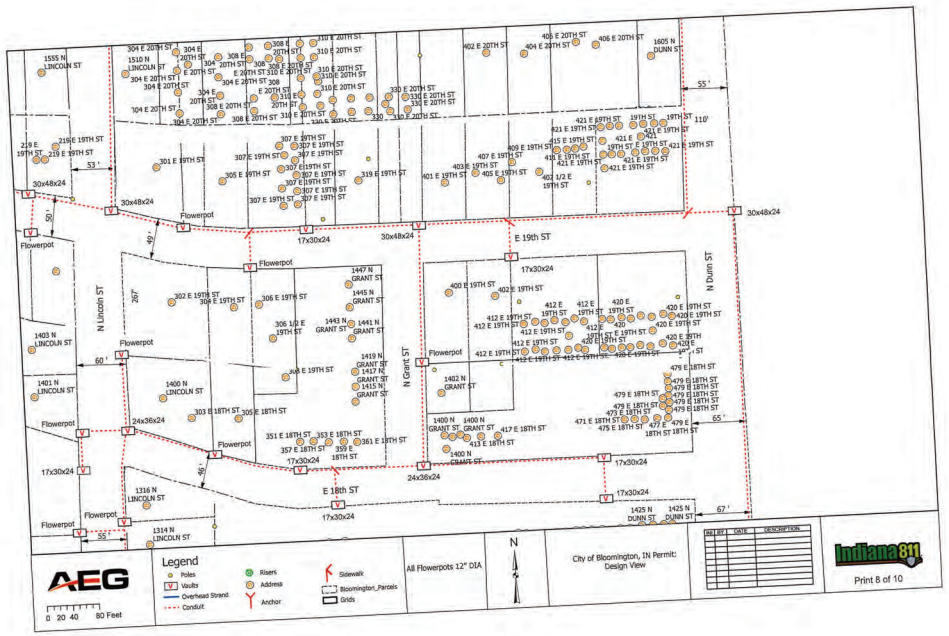

E Varsity LN
N Lincoln
N Dunn ST
E 20th ST
E Varsity LN
17x30x24
63 '
64 '
51 '
53 '
47 '
Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 6 of 10

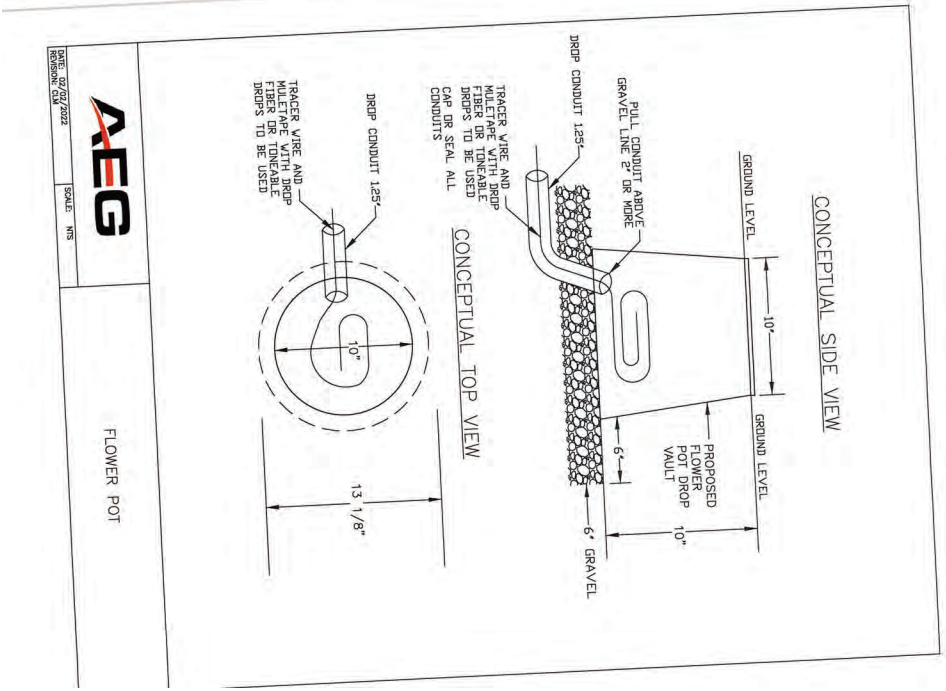

E Varsity LN
N Dunn ST
235 '
65 '
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 4 of 10

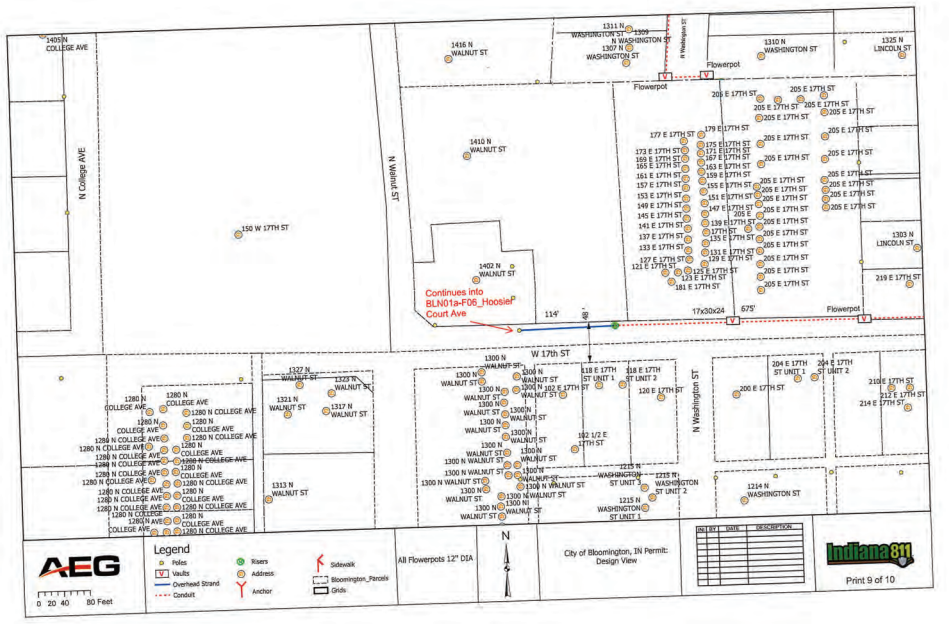

E 19th ST
E 18th ST
N Walnut ST
N College AVE
N Washington ST
30x48x24
30x40x24
17x30x24
50 '
51 '
48 '
Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 7 of 10


N Old State Road 37
W Riley DR
W Vaughn Clpp WAY
N College AVE
N Walnut ST
N Washington ST
24x36x24
17x30x24
59 '
61 '
76 '
42 '
51 '
290 '
48 '
E 20th ST
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 5 of 10


E 17th ST
N Lincoln ST
N Grant ST
N Dunn ST
Flowerpot
24x36x24
17x30x24
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 10 of 10


E 19th ST
E 18th ST
N Lincoln ST
N Grant ST
N Dunn ST
Flowerpot
30x48x24
17x30x24
24x36x24
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 8 of 10


DATE: 02/02/2022
DESIGN: CLM
SCALE: NTS
FLOWER POT
CONCEPTUAL TOP VIEW
CONCEPTUAL SIDE VIEW
TRACER WIRE AND MULE TAPE WITH DROP FIBER TO BE USED FOR DROPS TO BE USED
DROP CONDUIT 1.25"
CAP OR SEAL ALL CONDUITS
PULL CONDUIT ABOVE GRAVEL LINE 2" OR MORE
GROUND LEVEL
PROPOSED FLOWER POT DROP VAULT
6" GRAVEL
10"
13 1/8"
6"

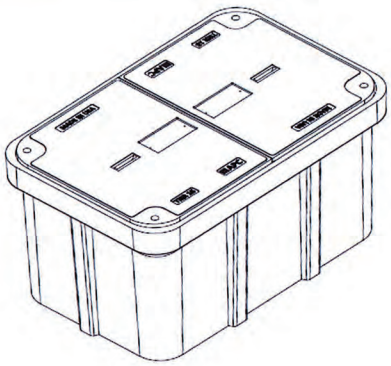

N College Ave
N Walnut St
N Washington St
W 17th St
Continues into BLN01a-F06_HoosierCourt Ave
Flowerpot
17x30x24
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 9 of 10

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit - TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit - TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit - TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit - TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit - TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

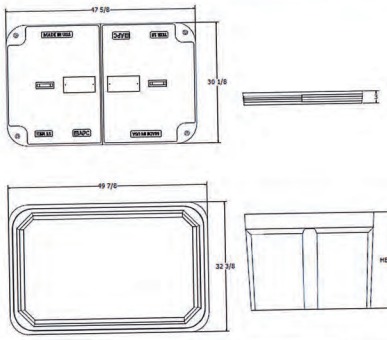
www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids - T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids - T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

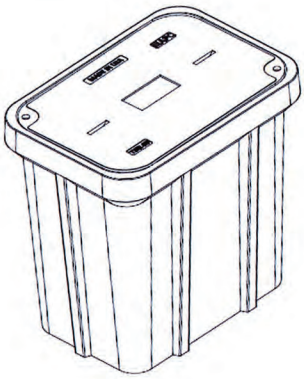
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit - TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit - TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit - TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit - TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit - TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit - TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit - TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

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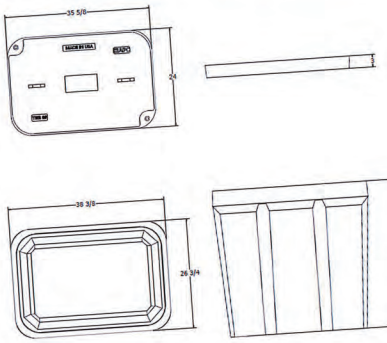
24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids - T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids - T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

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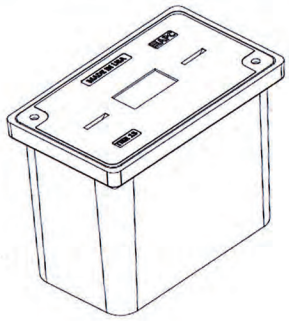
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit - TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit - TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit - TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit - TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit - TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit - TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit - TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

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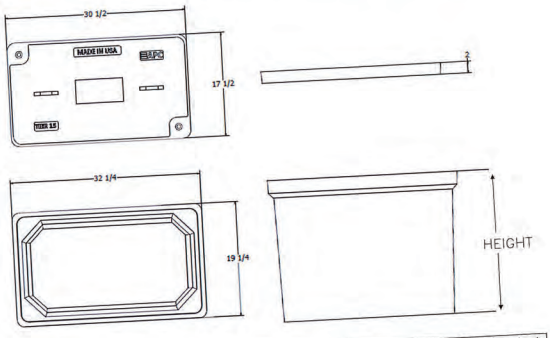
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"x12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"x18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids - T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids - T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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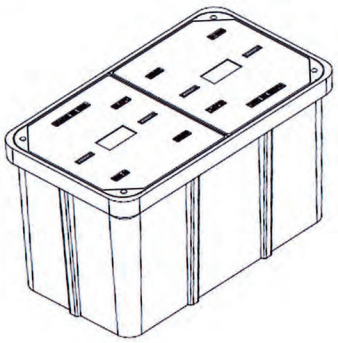
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit - TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

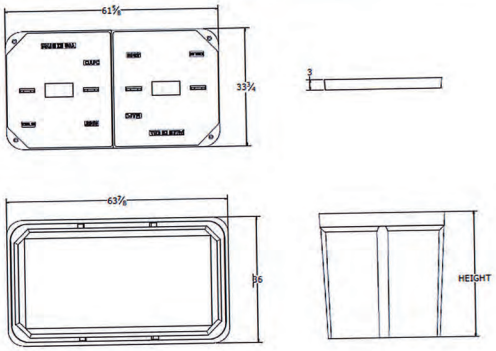
www.apcunderground.com

33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids - T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids - T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

Penta Head

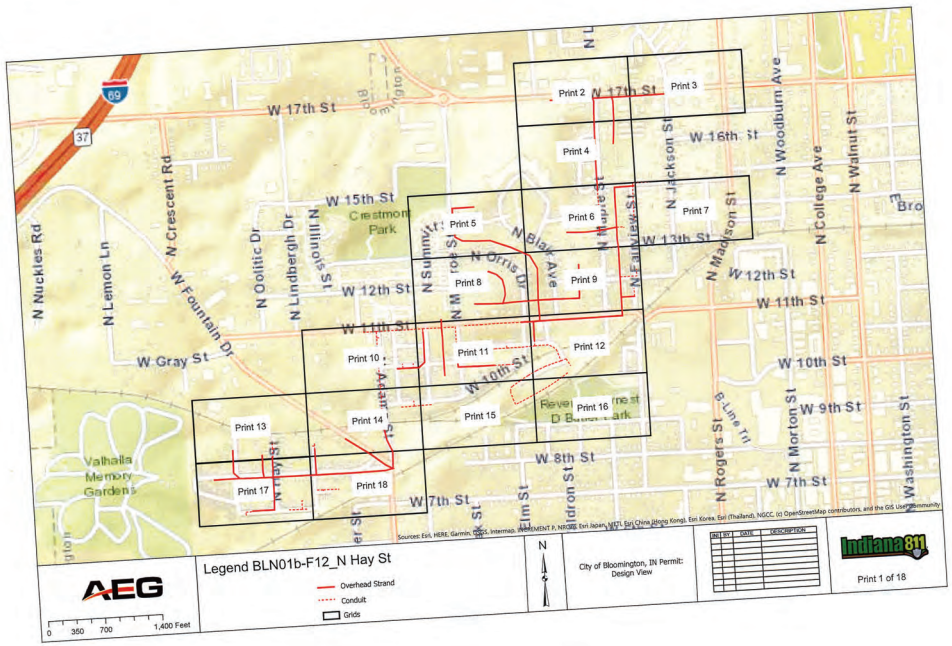
Machine Thread

Auger Thread

PROUDLY MADE IN USA

www.apcunderground.com

W 17th ST
W Terry LN
N Jackson ST
N Madison ST
N Kinser Pike
W Kenwood DR
AEG
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit:
Design View
Indiana 811
Print 3 of 18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W 16th St
W 15th St
W 13th St
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W 7th St
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N Nuckles Rd
N Lemon Ln
N Crescent Rd
W Fountain Dr
N Oolitic Dr
N Lindbergh Dr
N Illinois St
N Jackson St
N Woodburn Ave
N College Ave
N Walnut St
N Madison St
N Rogers St
N Morton St
Washington St
Crestmont Park
Valhalla Memory Gardens
Print 2
Print 3
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Legend BLN01b-F12_N Hay St
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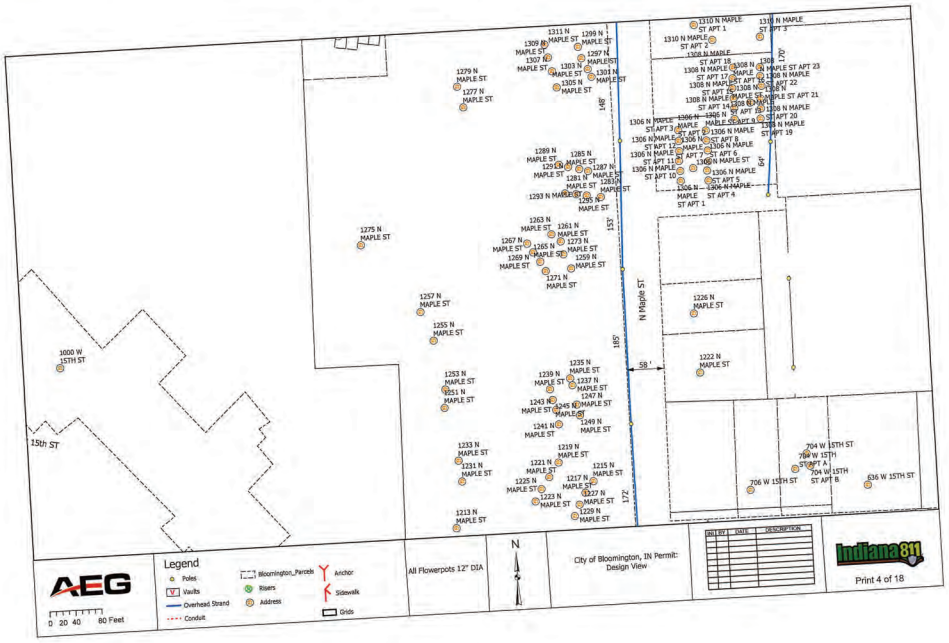
City of Bloomington, IN Permit:
Design View
Indiana 811
Print 1 of 18


N Maple ST
W 15th ST
AEG
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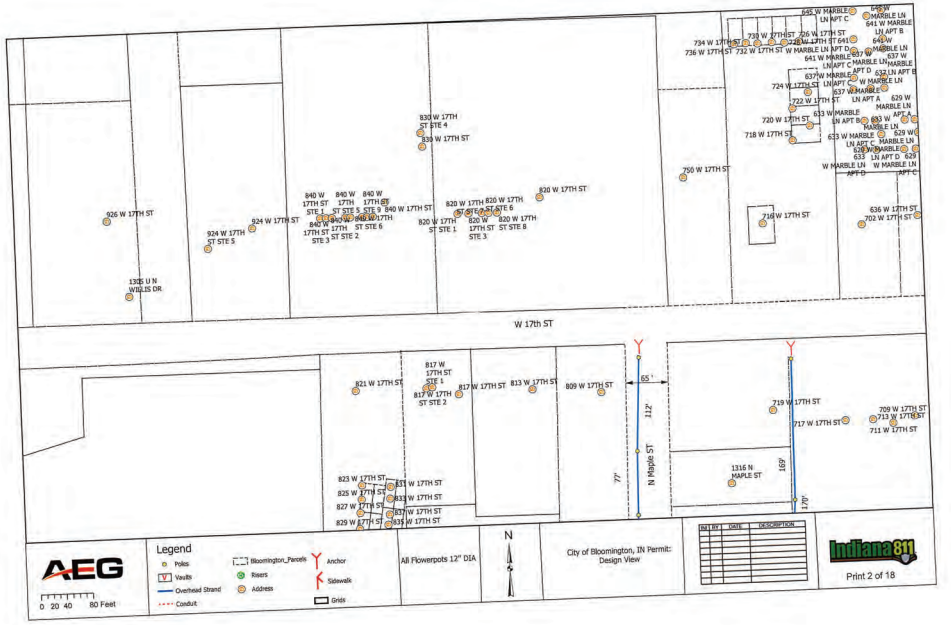
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit:
Design View
Indiana 811
Print 4 of 18


W 17th ST
N Maple ST
AEG
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Vaults
Overhead Strand
Conduit
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Risers
Address
Anchor
Sidewalk
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0 20 40 80 Feet
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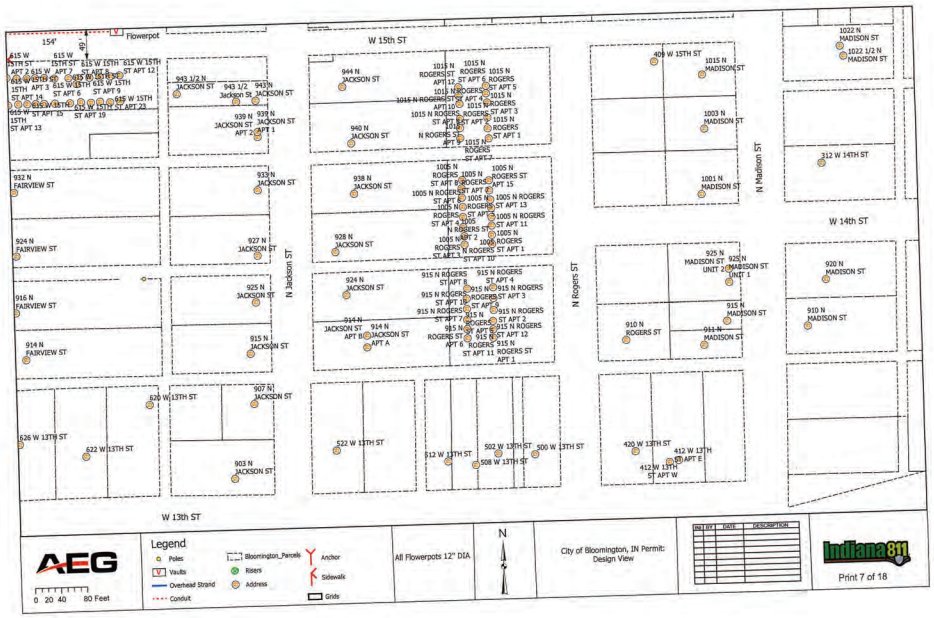
N
City of Bloomington, IN Permit:
Design View
Indiana 811
Print 2 of 18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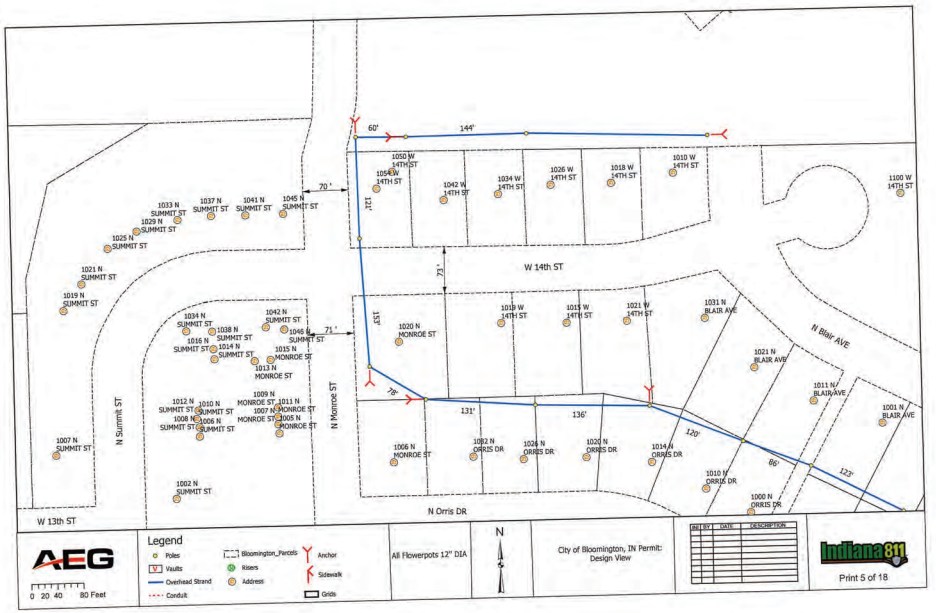
W 14th ST
W 13th ST
N Jackson ST
N Rogers ST
N Madison ST
Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 7 of 18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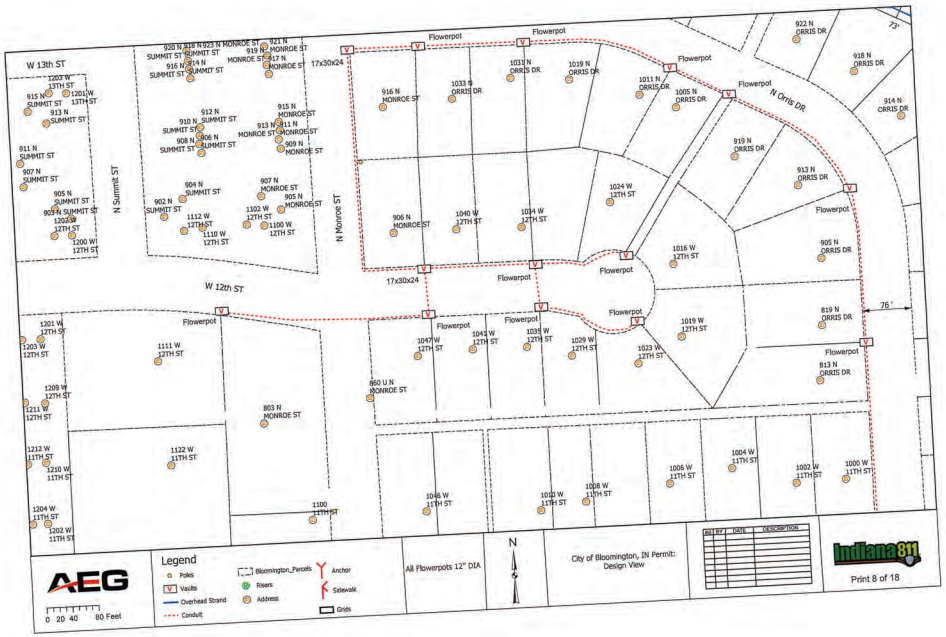
N Monroe ST
N Orris DR
N Blair AVE
Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 5 of 18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N Monroe ST
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Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
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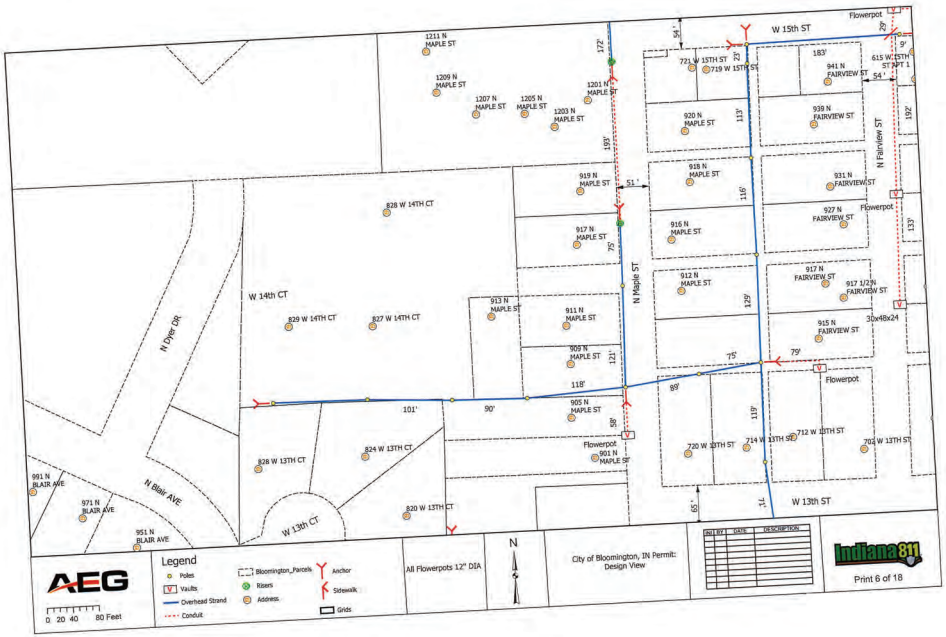
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 8 of 18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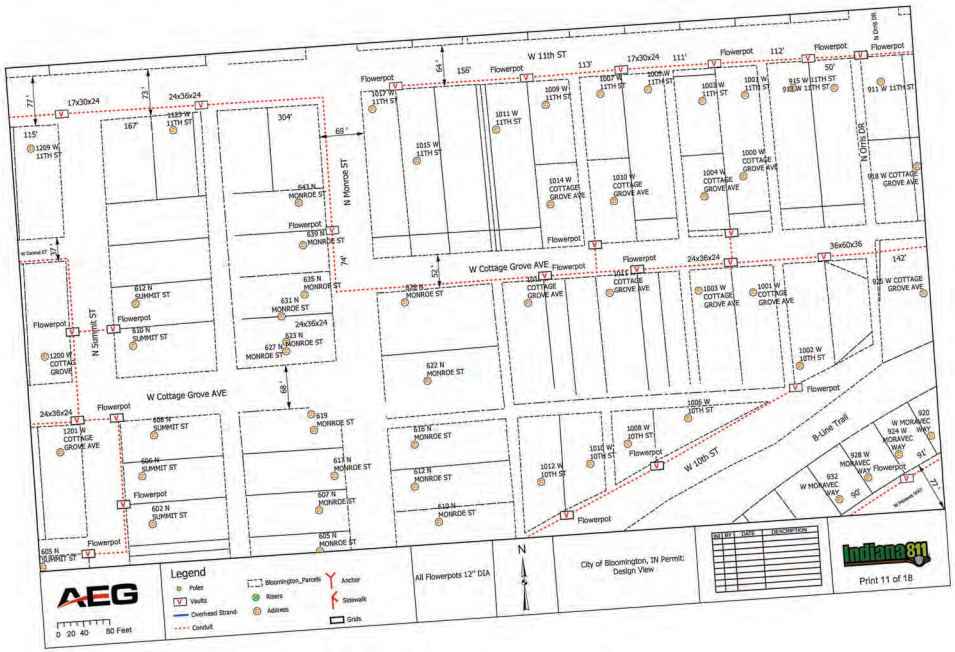
W 13th CT
W 13th ST
N Maple ST
N Fairview ST
N Dyer DR
N Blair AVE
Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 6 of 18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W Cottage Grove AVE
W 10th ST
N Monroe ST
N Summit ST
N Orris DR
B-Line Trail
W Moravec WAY
Flowerpot
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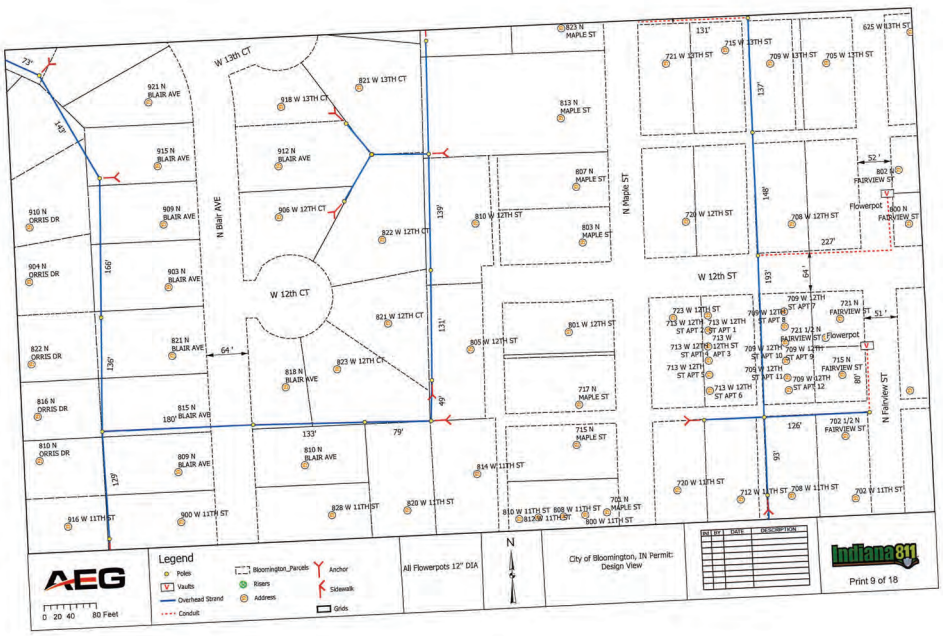
24x36x24
36x60x36
24x36x24
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 11 of 18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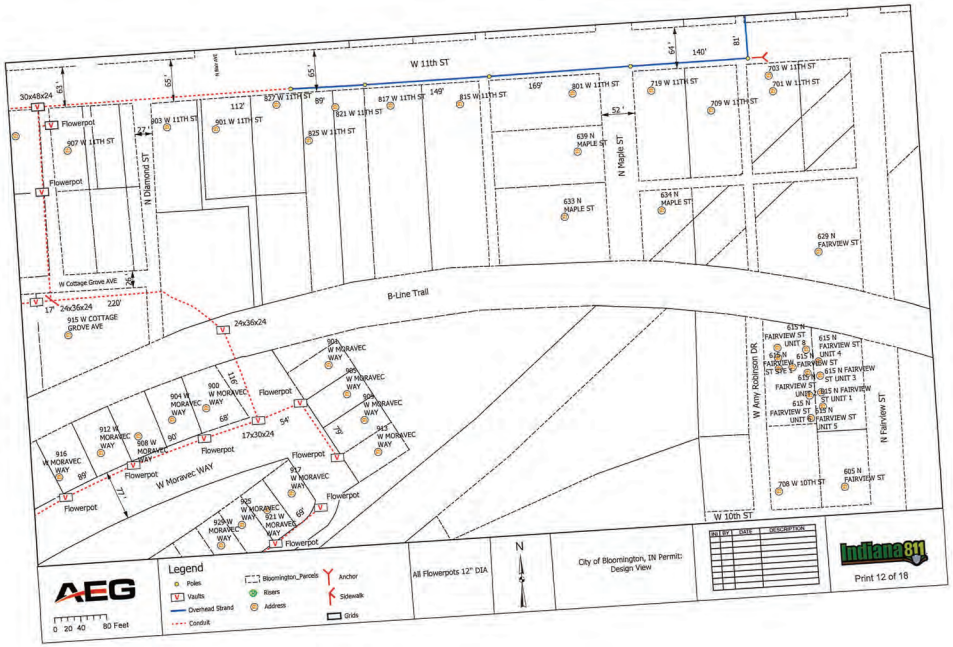
W 12th CT
N Blair AVE
N Maple ST
N Fairview ST
W 12th ST
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 9 of 18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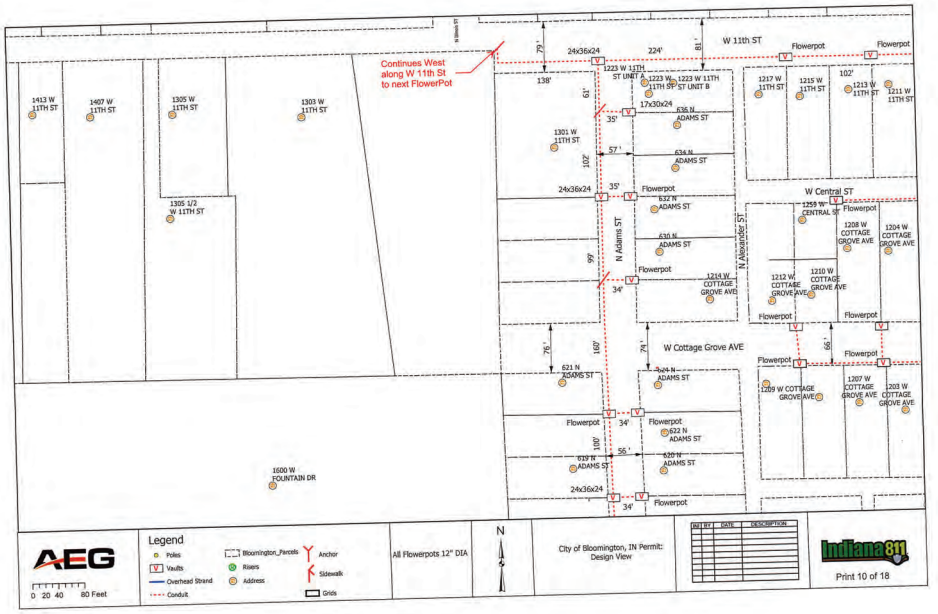
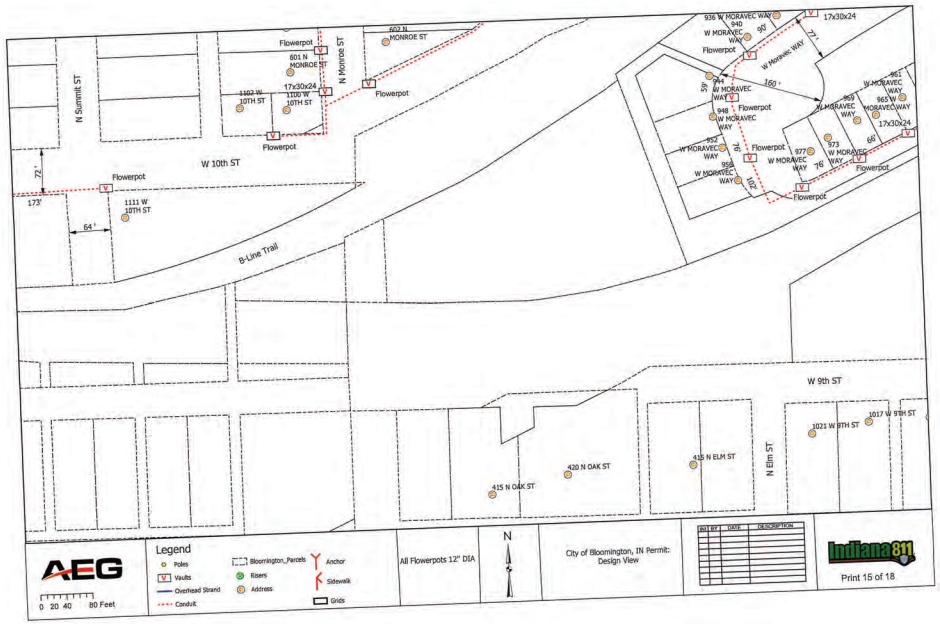
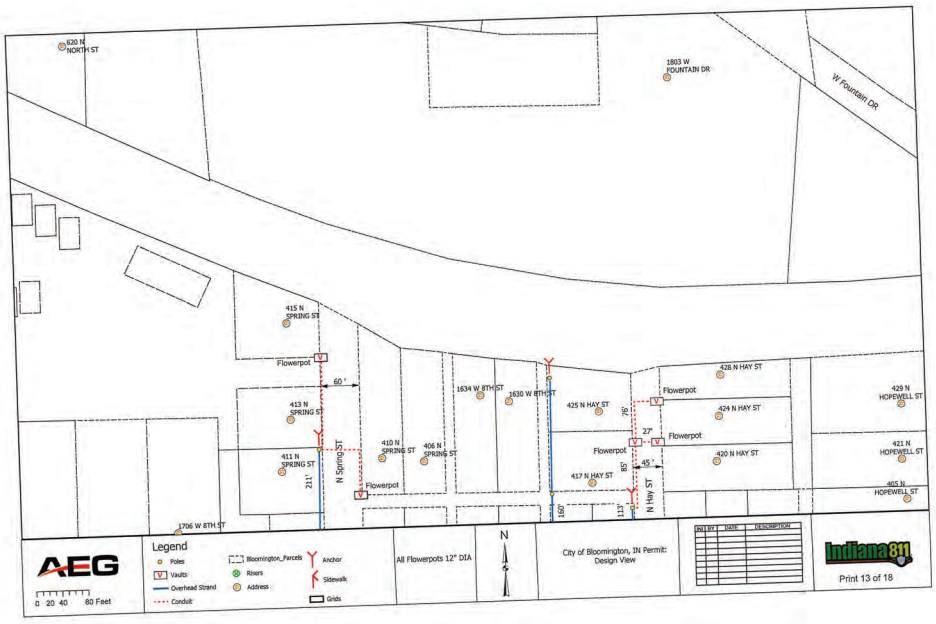
W Cottage Grove AVE
W Moravec WAY
W 10th ST
N Diamond ST
N Maple ST
N Fairview ST
W Amy Robinson DR
B-Line Trail
Flowerpot
24x36x24
30x48x24
17x30x24
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 12 of 18


Continues West along W 11th St to next FlowerPot
W 11th ST
W Central ST
W Cottage Grove AVE
N Adams ST
N Alexander ST
1600 W FOUNTAIN DR
Flowerpot
24x36x24
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 10 of 18


N Summit ST
W 10th ST
N Monroe ST
602 N MONROE ST
601 N MONROE ST
1102 W 10TH ST
1100 W 10TH ST
17x30x24
Flowerpot
1111 W 10TH ST
B-Line Trail
W 9th ST
420 N OAK ST
415 N OAK ST
426 N ELM ST
N Elm ST
1021 W 9TH ST
1017 W 9TH ST
936 W MORAVEC WAY
940 W MORAVEC WAY
944 W MORAVEC WAY
948 W MORAVEC WAY
952 W MORAVEC WAY
956 W MORAVEC WAY
969 W MORAVEC WAY
973 W MORAVEC WAY
977 W MORAVEC WAY
965 W MORAVEC WAY
W Moravec Way
160 '
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 15 of 18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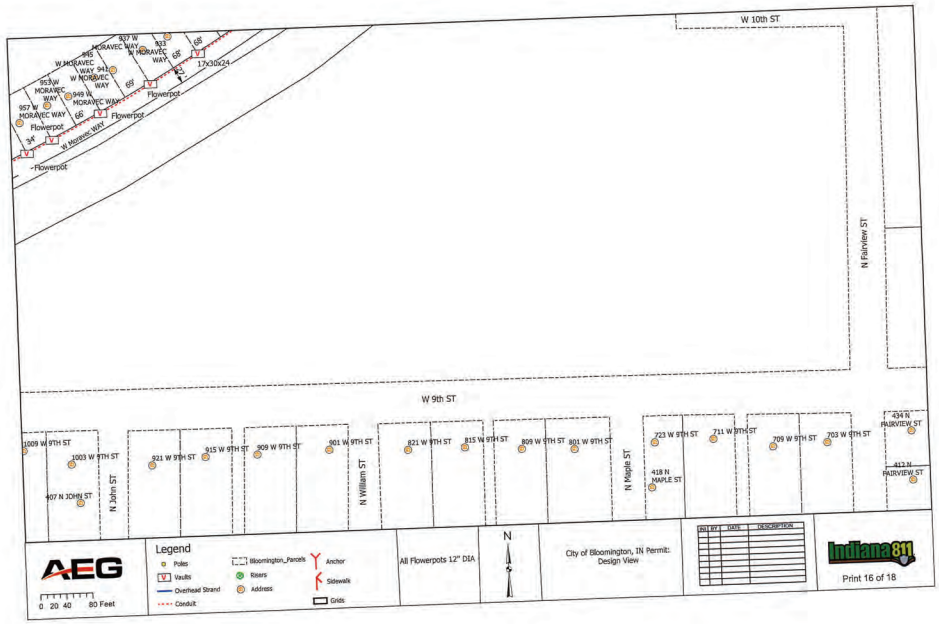
1803 W FOUNTAIN DR
W Fountain Dr
415 N SPRING ST
413 N SPRING ST
411 N SPRING ST
N Spring ST
410 N SPRING ST
406 N SPRING ST
1634 W 8TH ST
1630 W 8TH ST
425 N HAY ST
417 N HAY ST
N Hay ST
428 N HAY ST
424 N HAY ST
420 N HAY ST
429 N HOPEWELL ST
421 N HOPEWELL ST
405 N HOPEWELL ST
1706 W 8TH ST
Flowerpot
60 '
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 13 of 18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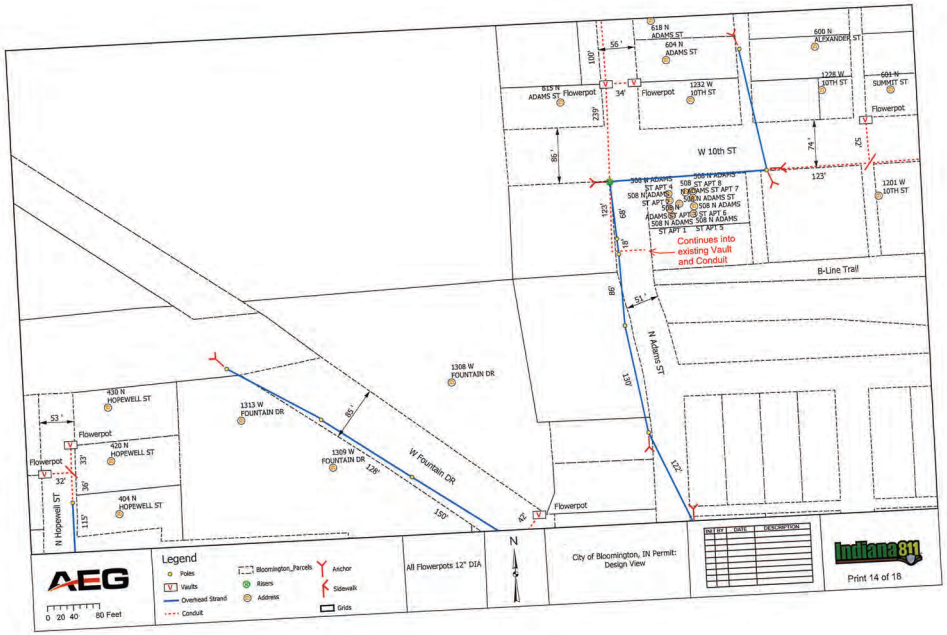
N Fairview ST
W 9th ST
1009 W 9TH ST
1003 W 9TH ST
407 N JOHN ST
N John ST
921 W 9TH ST
915 W 9TH ST
909 W 9TH ST
901 W 9TH ST
N William ST
821 W 9TH ST
815 W 9TH ST
809 W 9TH ST
801 W 9TH ST
N Maple ST
723 W 9TH ST
711 W 9TH ST
709 W 9TH ST
703 W 9TH ST
418 N MAPLE ST
414 N FAIRVIEW ST
412 N FAIRVIEW ST
17x30x24
Flowerpot
W Moravec Way
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 16 of 18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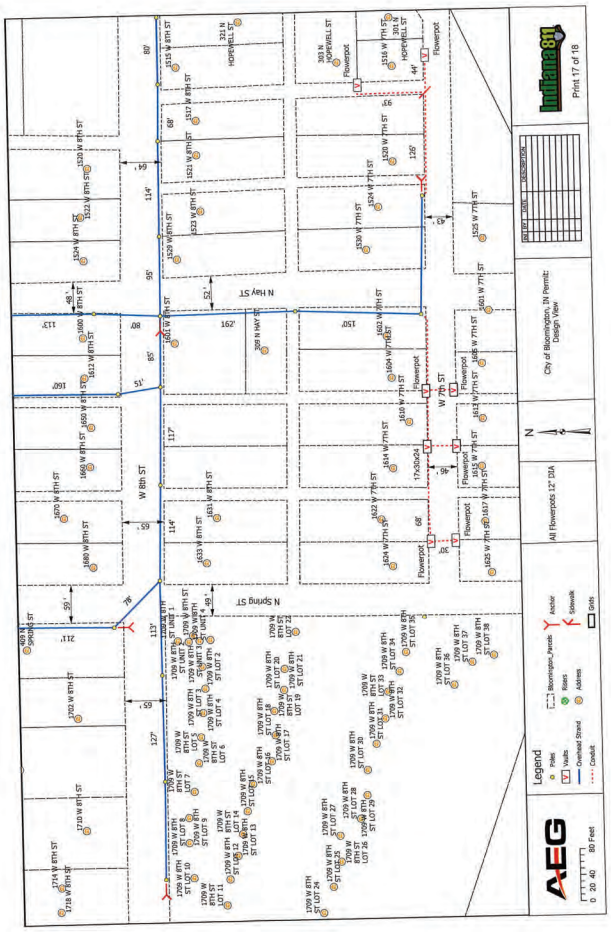
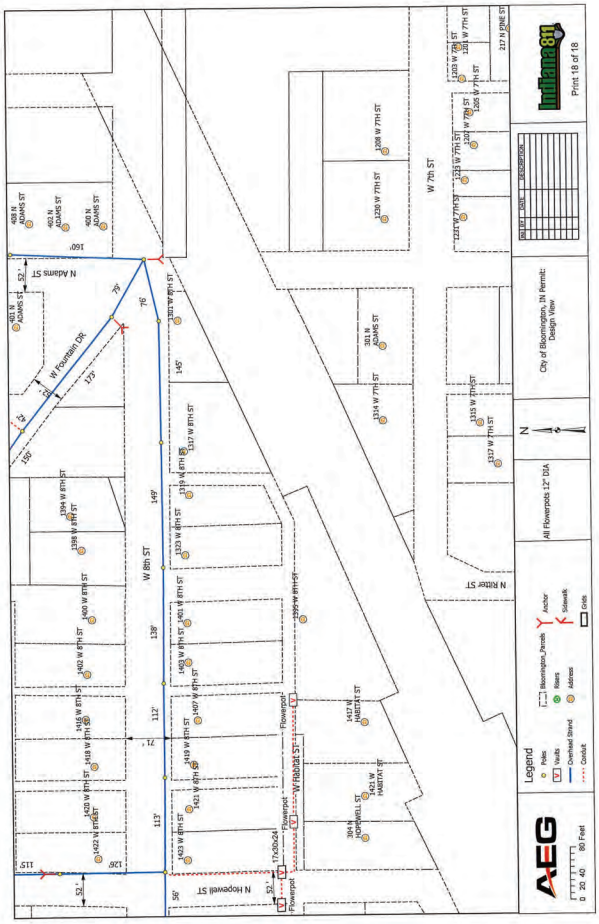
604 N ADAMS ST
600 N ALEXANDER ST
615 N ADAMS ST
1232 W 10TH ST
1228 W 10TH ST
601 N SUMMIT ST
W 10th ST
1201 W 10TH ST
508 N ADAMS ST APT 4
508 N ADAMS ST APT 2
508 N ADAMS ST APT 8
508 N ADAMS ST APT 7
508 N ADAMS ST APT 6
508 N ADAMS ST APT 5
508 N ADAMS ST APT 3
508 N ADAMS ST APT 1
Continues into existing Vault and Conduit
B-Line Trail
N Adams ST
1308 W FOUNTAIN DR
1313 W FOUNTAIN DR
1309 W FOUNTAIN DR
W Fountain Dr
430 N HOPEWELL ST
420 N HOPEWELL ST
404 N HOPEWELL ST
N Hopewell ST
Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
Bloomington_Parcels
Risers
Address
Anchor
Sidewalk
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 14 of 18





PV-Mold®

RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Standard Duty

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Actual Impact @ 0°C 20 Pound Tup
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

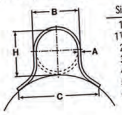
Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.

Flanged Overall Length 10 Feet, Including Bell



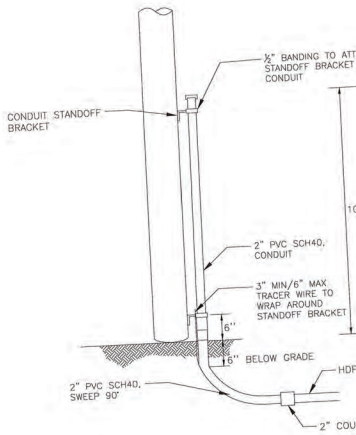
Size	Depth of Bell
1"	2 - 2 1/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		

AEG

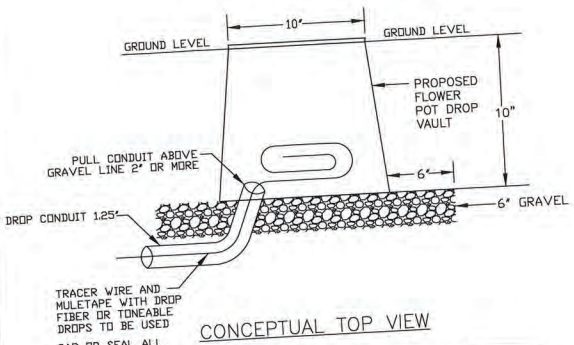
DATE: 02/03/2022
REVISION: CLM

SCALE: NTS

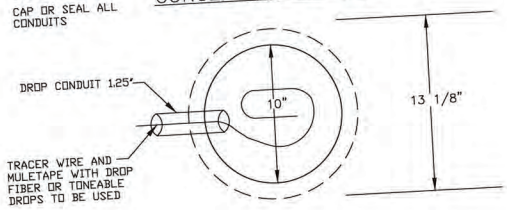
TYPICAL RISER CONDUIT WOOD POLE

(R2-W)

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW



AEG

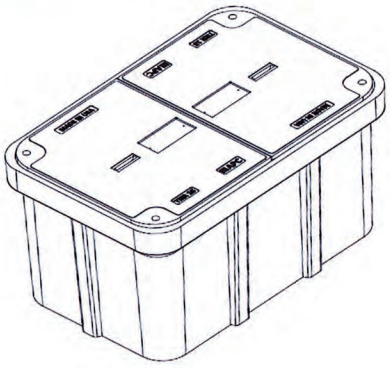
FLOWER POT

DATE: 02/02/2022
REVISION: CLM
SCALE: NTS

30"x48" PC UNIT, 2PC TIER 15/22
18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

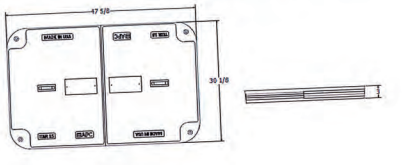
PROUDLY MADE IN USA

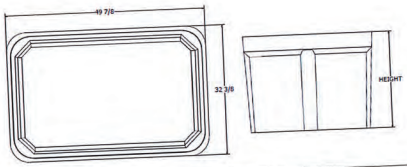
www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22
18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY





Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	340 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

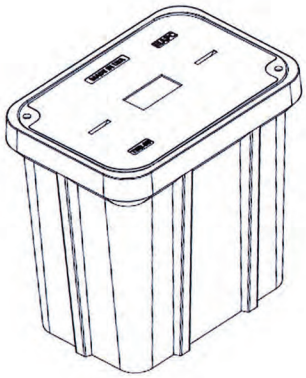
PROUDLY MADE IN USA

www.apcunderground.com

24"x36" PC UNIT, TIER 15/22
18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

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24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

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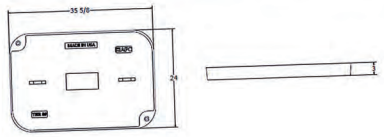

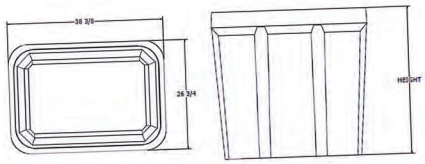

Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids – T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

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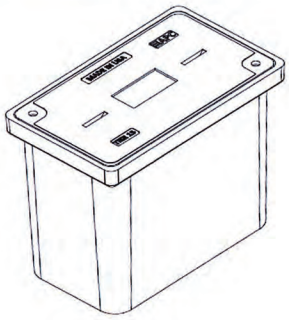

Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

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17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

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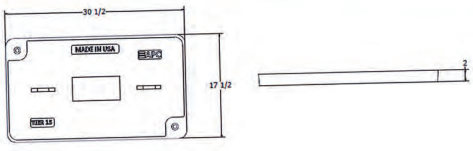
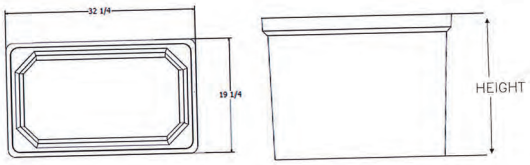
AMERICAN POLYMER COMPANY





Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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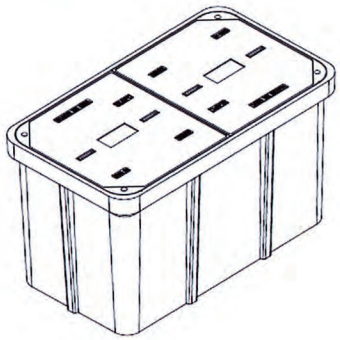
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

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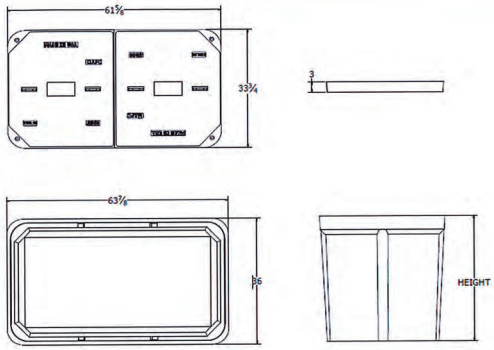
33”x60” PC UNIT, 2PC TIER 15/22

36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33”x60”x36”	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33”x60” (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33”x60” (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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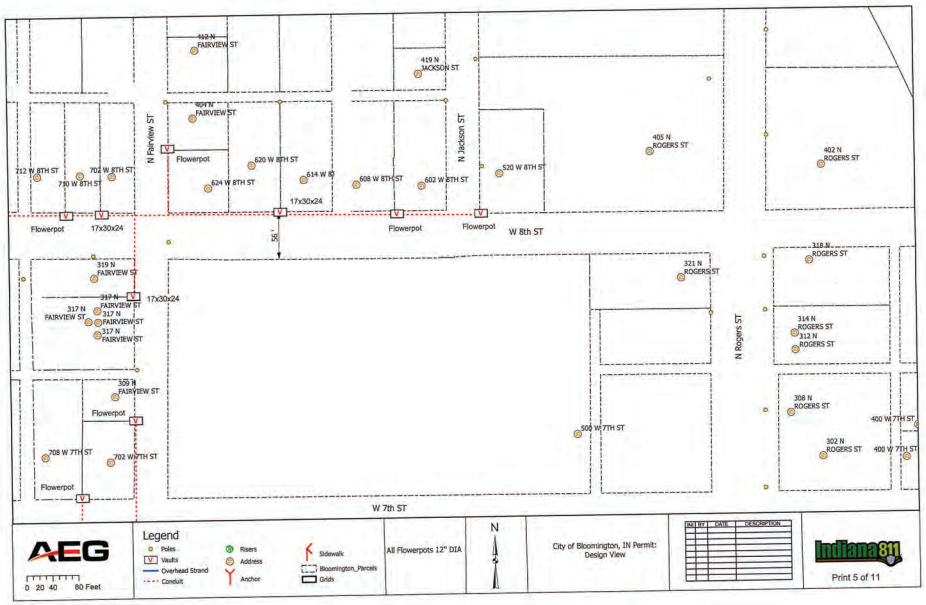
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405 N ROGERS ST
402 N ROGERS ST
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602 W 8TH ST
624 W 8TH ST
712 W 8TH ST
710 W 8TH ST
702 W 8TH ST
N Fairview ST
N Jackson ST
N Rogers ST
W 8th ST
17x30x24
Flowerpot
321 N ROGERS ST
318 N ROGERS ST
319 N FAIRVIEW ST
317 N FAIRVIEW ST
314 N ROGERS ST
312 N ROGERS ST
308 N ROGERS ST
500 W 7TH ST
400 W 7TH ST
302 N ROGERS ST
350 N FAIRVIEW ST
708 W 7TH ST
702 W 7TH ST
W 7th ST
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
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City of Bloomington, IN Permit: Design View
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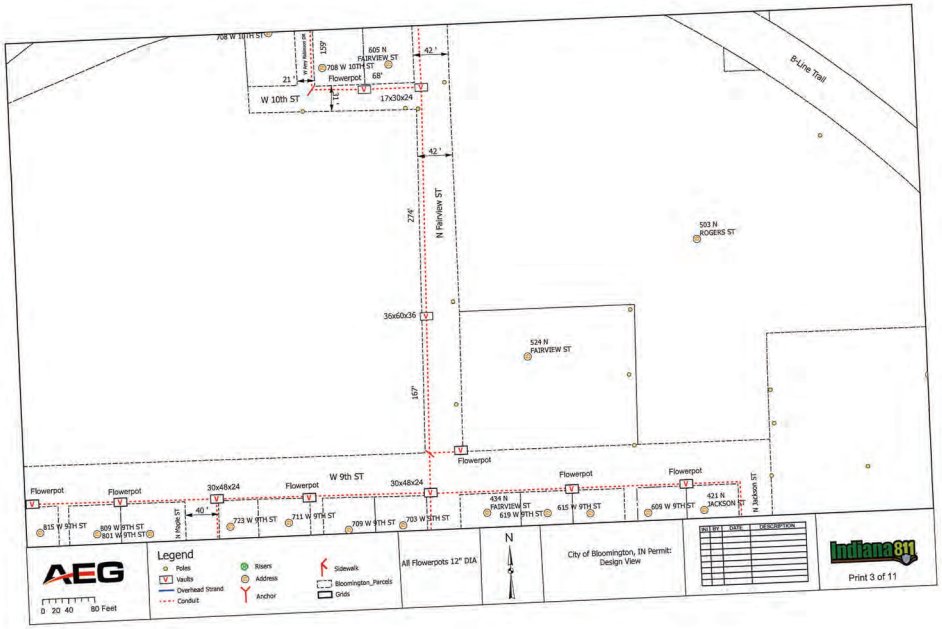
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17x30x24
B-Line Trail
N Fairview ST
503 N ROGERS ST
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36x60x36
W 9th ST
30x48x24
434 N FAIRVIEW ST
619 W 9TH ST
615 W 9TH ST
609 W 9TH ST
421 N JACKSON ST
N Jackson ST
N Rose ST
815 W 9TH ST
809 W 9TH ST
801 W 9TH ST
723 W 9TH ST
711 W 9TH ST
709 W 9TH ST
703 W 9TH ST
Flowerpot
Legend
All Flowerpots 12" DIA
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City of Bloomington, IN Permit: Design View
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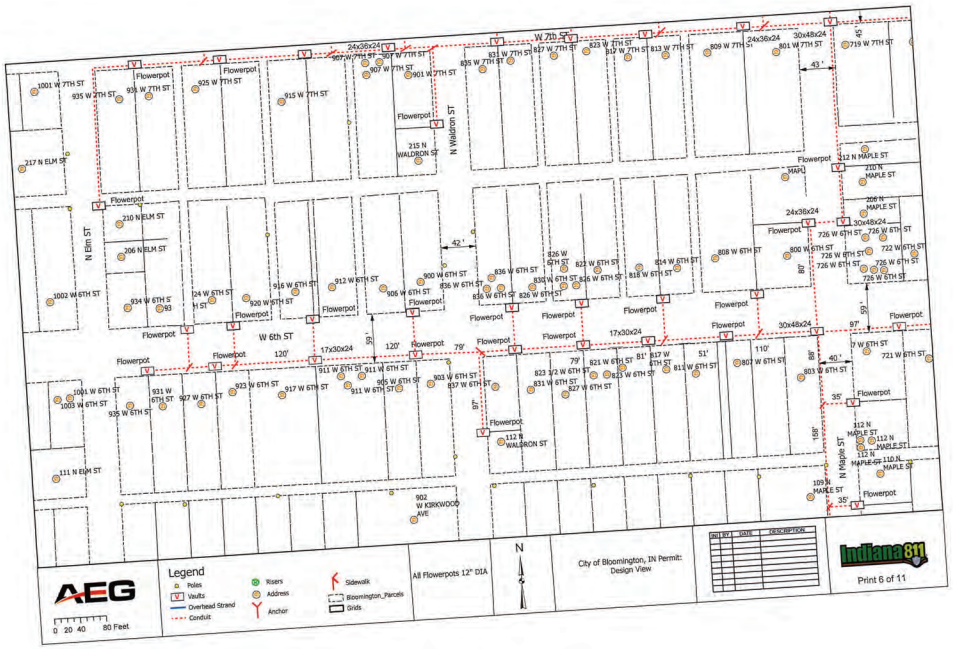
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30x48x24
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925 W 7TH ST
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907 W 7TH ST
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835 W 7TH ST
827 W 7TH ST
823 W 7TH ST
817 W 7TH ST
813 W 7TH ST
809 W 7TH ST
801 W 7TH ST
719 W 7TH ST
N Waldron ST
215 N WALDRON ST
217 N ELM ST
210 N ELM ST
306 N ELM ST
N Elm ST
W 6th ST
1002 W 6TH ST
934 W 6TH ST
924 W 6TH ST
920 W 6TH ST
916 W 6TH ST
912 W 6TH ST
906 W 6TH ST
900 W 6TH ST
836 W 6TH ST
826 W 6TH ST
822 W 6TH ST
818 W 6TH ST
814 W 6TH ST
808 W 6TH ST
800 W 6TH ST
726 W 6TH ST
722 W 6TH ST
721 W 6TH ST
803 W 6TH ST
807 W 6TH ST
811 W 6TH ST
817 W 6TH ST
821 W 6TH ST
823 1/2 W 6TH ST
827 W 6TH ST
831 W 6TH ST
837 W 6TH ST
903 W 6TH ST
907 W 6TH ST
911 W 6TH ST
917 W 6TH ST
923 W 6TH ST
927 W 6TH ST
931 W 6TH ST
935 W 6TH ST
1003 W 6TH ST
1007 W 6TH ST
111 N ELM ST
112 N WALDRON ST
902 W KIRKWOOD AVE
N Maple ST
112 N MAPLE ST
110 N MAPLE ST
109 N MAPLE ST
212 N MAPLE ST
210 N MAPLE ST
206 N MAPLE ST
Legend
All Flowerpots 12" DIA
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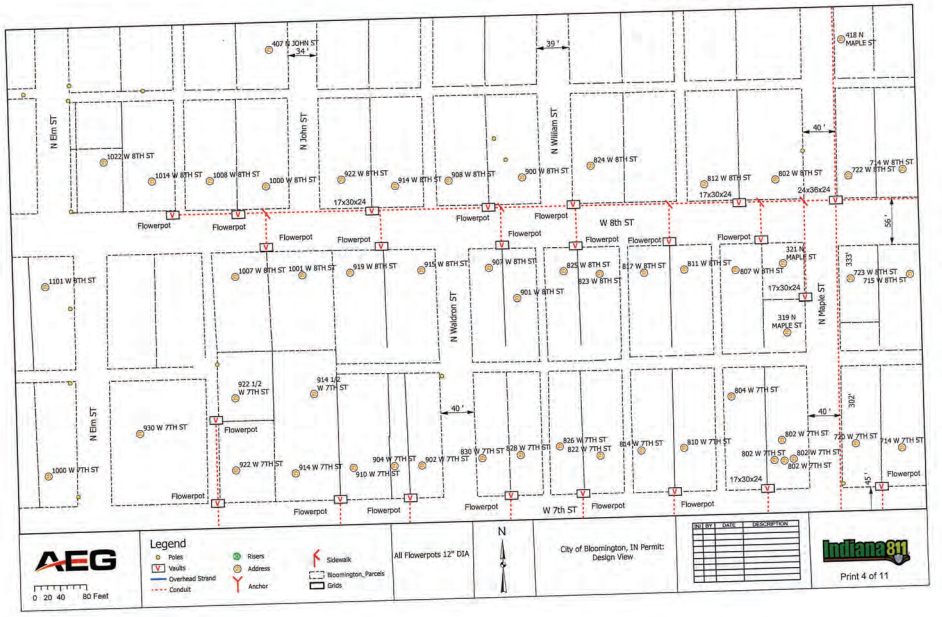
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N John ST
N William ST
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1014 W 8TH ST
1008 W 8TH ST
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908 W 8TH ST
900 W 8TH ST
824 W 8TH ST
812 W 8TH ST
802 W 8TH ST
722 W 8TH ST
714 W 8TH ST
W 8th ST
17x30x24
24x36x24
418 N MAPLE ST
1101 W 8TH ST
1007 W 8TH ST
1001 W 8TH ST
919 W 8TH ST
915 W 8TH ST
907 W 8TH ST
901 W 8TH ST
825 W 8TH ST
823 W 8TH ST
811 W 8TH ST
807 W 8TH ST
321 N MAPLE ST
319 N MAPLE ST
N Waldron ST
N Maple ST
723 W 8TH ST
715 W 8TH ST
1000 W 7TH ST
930 W 7TH ST
922 W 7TH ST
914 W 7TH ST
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904 W 7TH ST
902 W 7TH ST
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802 W 7TH ST
720 W 7TH ST
714 W 7TH ST
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All Flowerpots 12" DIA
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NO. BY DATE DESCRIPTION
Print 4 of 11
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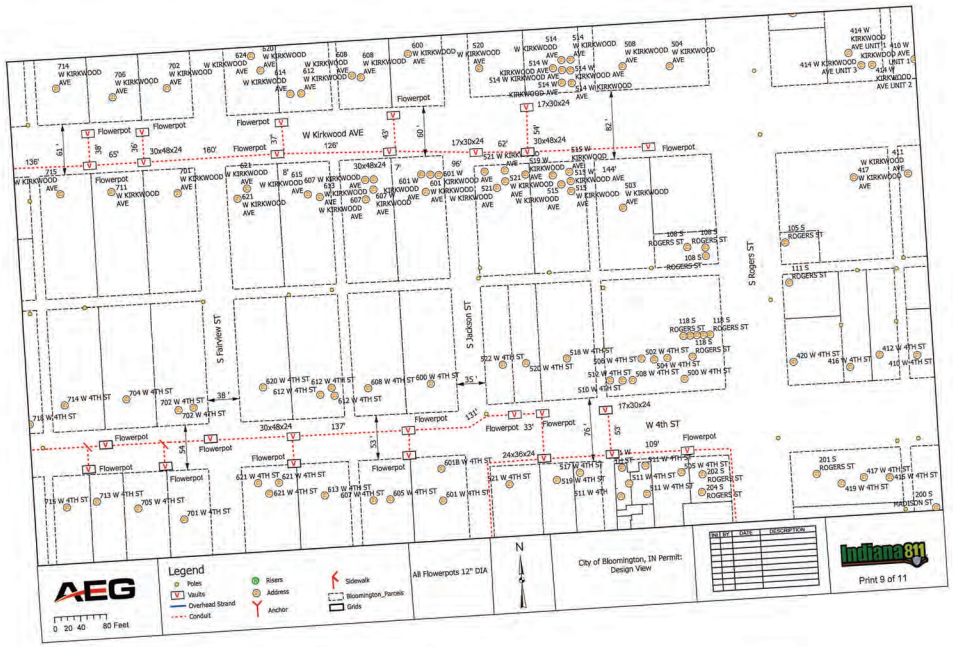
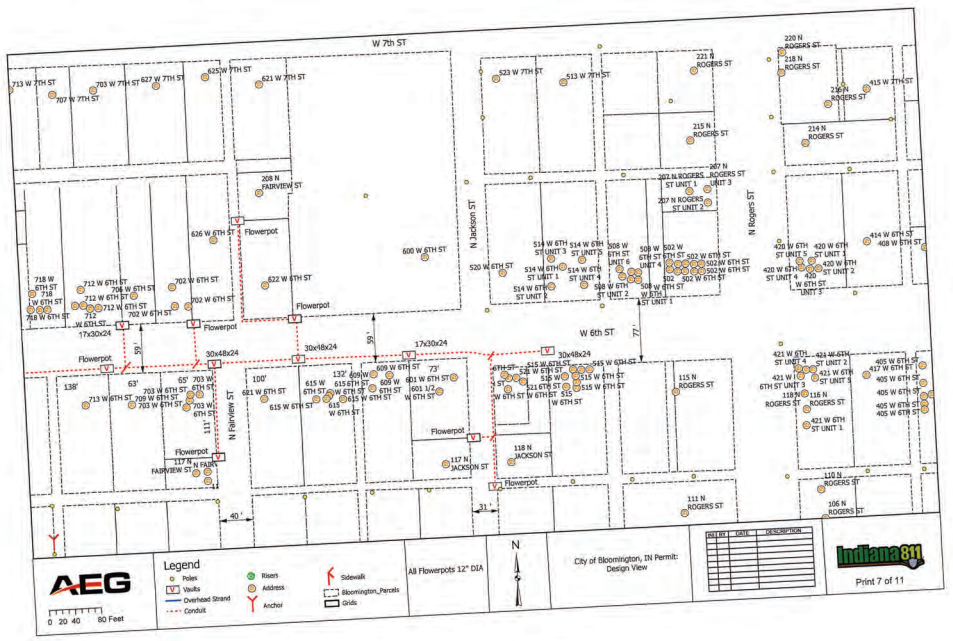

W Kirkwood AVE
W 4th ST
S Rogers ST
S Fairview ST
S Jackson ST
Flowerpot
30x48x24
17x30x24
24x36x24
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit:
Design View
Indiana811
Print 9 of 11


W 7th ST
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N Jackson ST
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Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
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Grids
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City of Bloomington, IN Permit:
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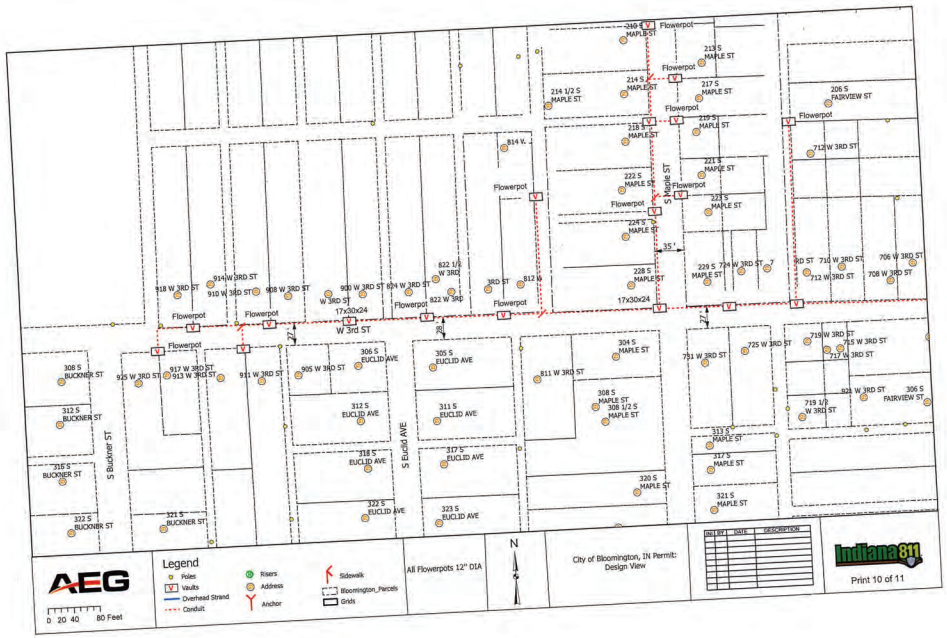
Print 7 of 11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Flowerpot
17x30x24
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
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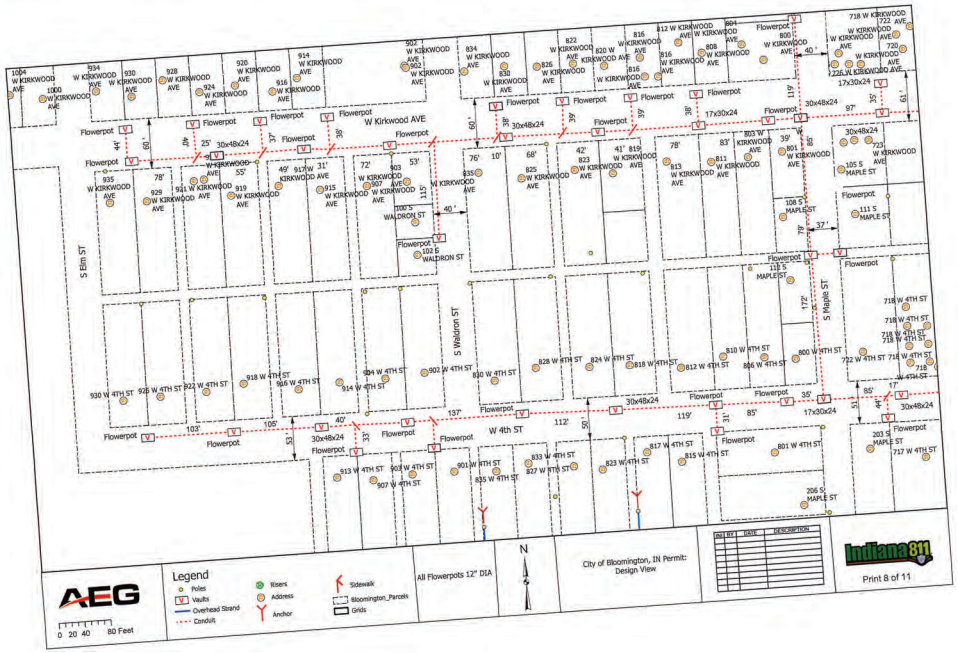
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Overhead Strand
Conduit
Risers
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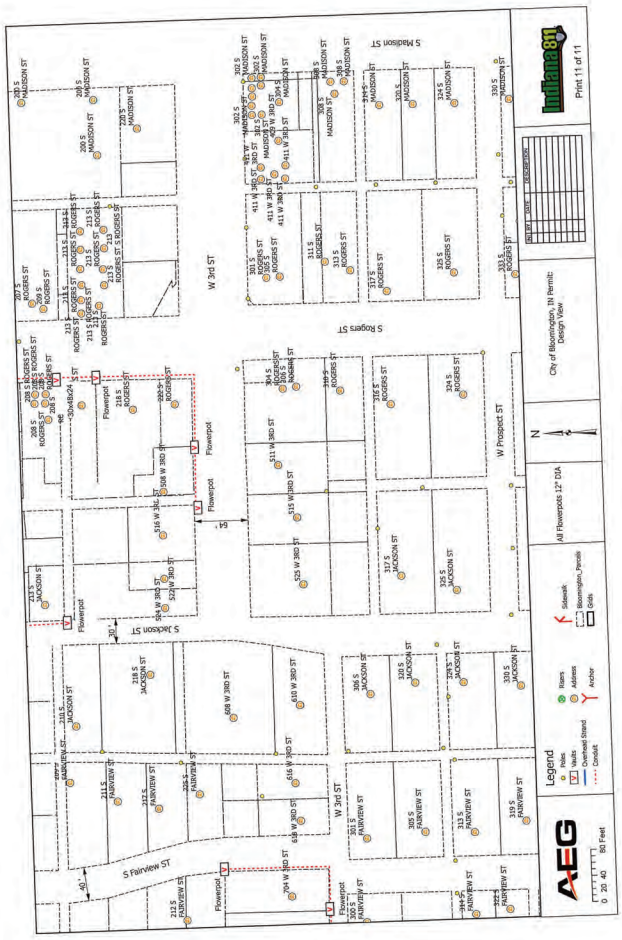


PV-Mold®

RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

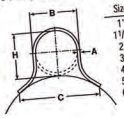
Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Standard Duty

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Actual Impact @ 0°C 20 Pound Tup
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

Flanged Overall Length 10 Feet, Including Bell



Size	Depth of Bell
1"	2 - 2 1/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.

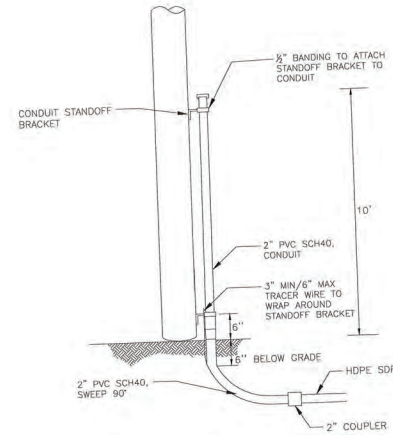
Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs

www.carlon.com



DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		

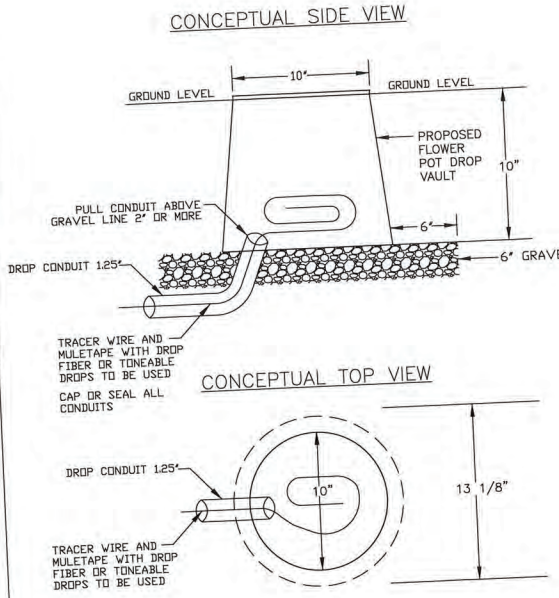
AEG

DATE: 02/03/2022
REVISION: CLM

SCALE: NTS

TYPICAL RISER CONDUIT WOOD POLE

(R2-W)



AEG

DATE: 02/02/2022
REVISION: CLM

SCALE: NTS

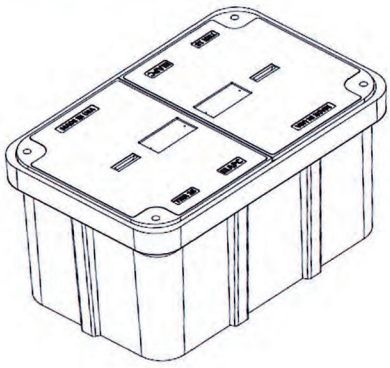
FLOWER POT

30”x48” PC UNIT, 2PC TIER 15/22

18”, 24”, and 36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30”x48”x18”	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30”x48”x18”	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30”x48”x24”	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30”x48”x24”	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30”x48”x36”	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30”x48”x36”	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

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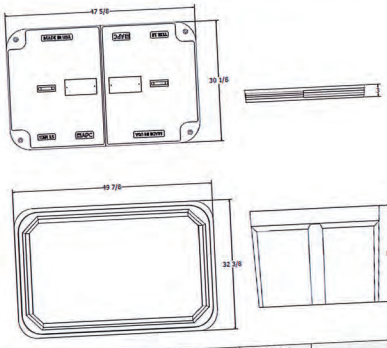
30”x48” PC UNIT, 2PC TIER 15/22

18”, 24”, and 36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30”x48”x18”	Tier 22	P304818B22	185 lbs.
Replacement Box	30”x48”x24”	Tier 22	P304824B22	235 lbs.
Replacement Box	30”x48”x36”	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30”x48” (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30”x48” (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

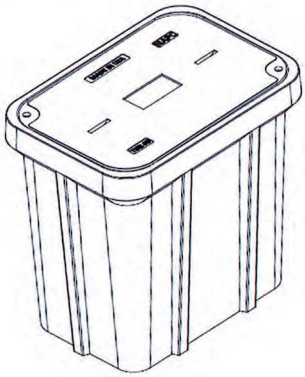
www.apcunderground.com

24”x36” PC UNIT, TIER 15/22

18”, 24”, 30”, and 36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36”x18”	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36”x18”	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36”x24”	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36”x24”	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36”x30”	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36”x30”	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36”x36”	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36”x36”	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

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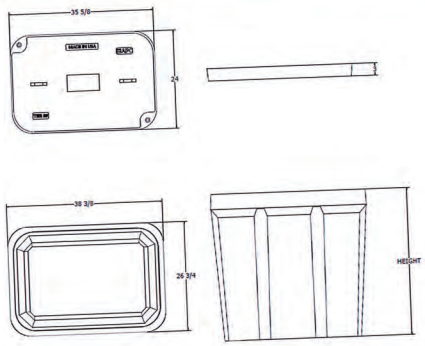
24”x36” PC UNIT, TIER 15/22

18”, 24”, 30”, and 36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24”x36”x18”	Tier 22	P243618B22	165 lbs.
Replacement Box	24”x36”x24”	Tier 22	P243624B22	195 lbs.
Replacement Box	24”x36”x30”	Tier 22	P243630B22	225 lbs.
Replacement Box	24”x36”x36”	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24”x36”	Tier 15	Various	170 lbs.
Replacement Lids – T22	24”x36”	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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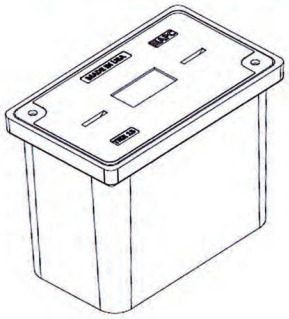
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

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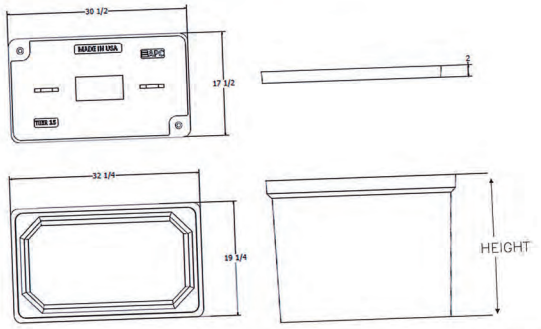
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

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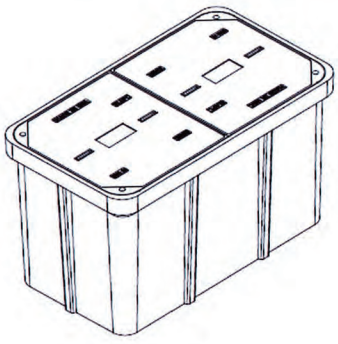
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

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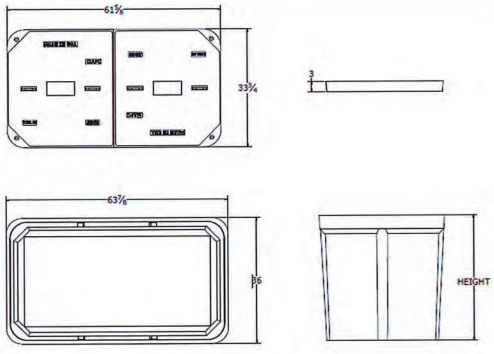
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

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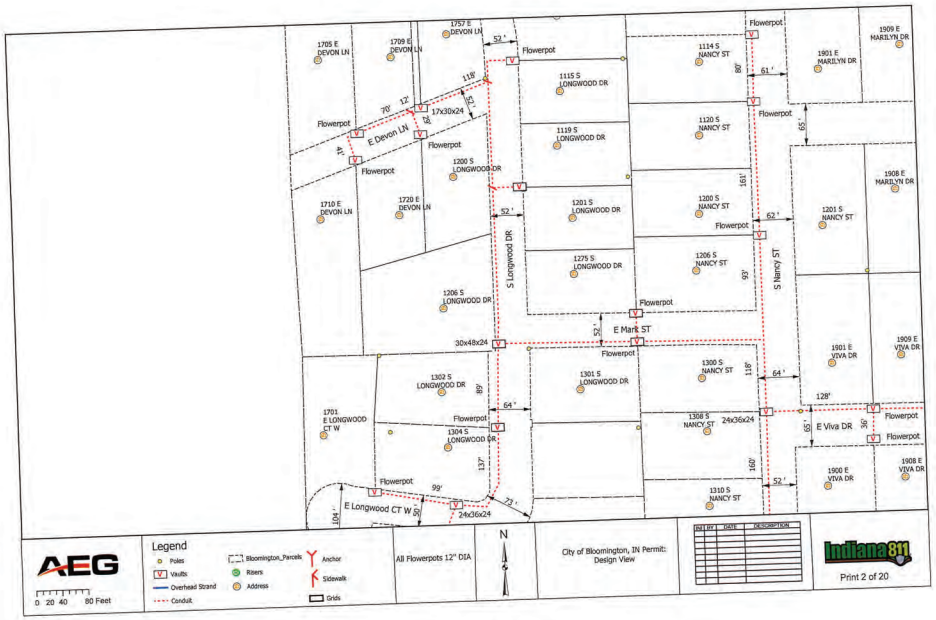
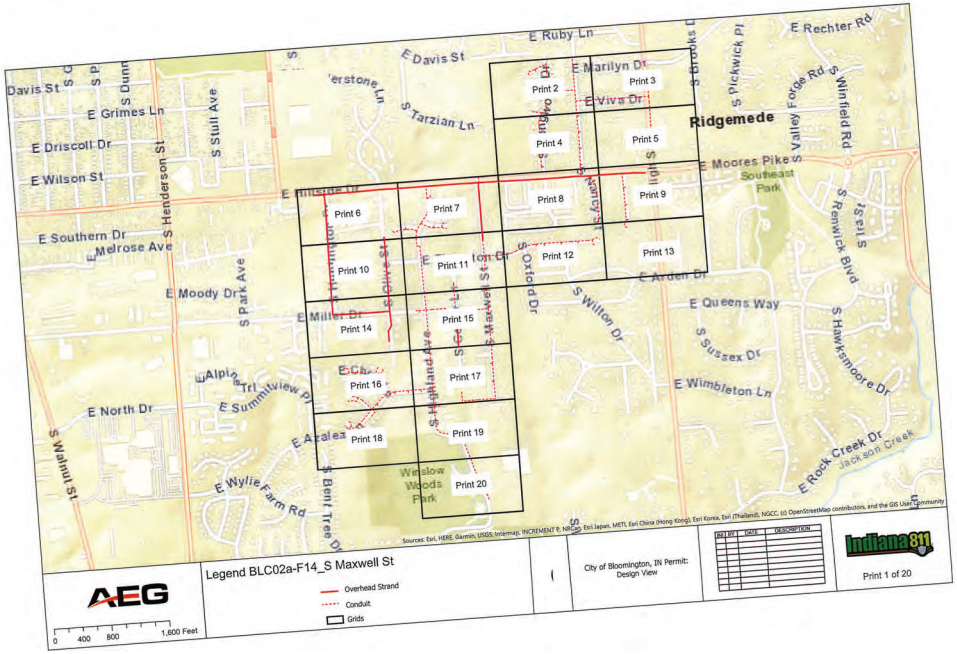


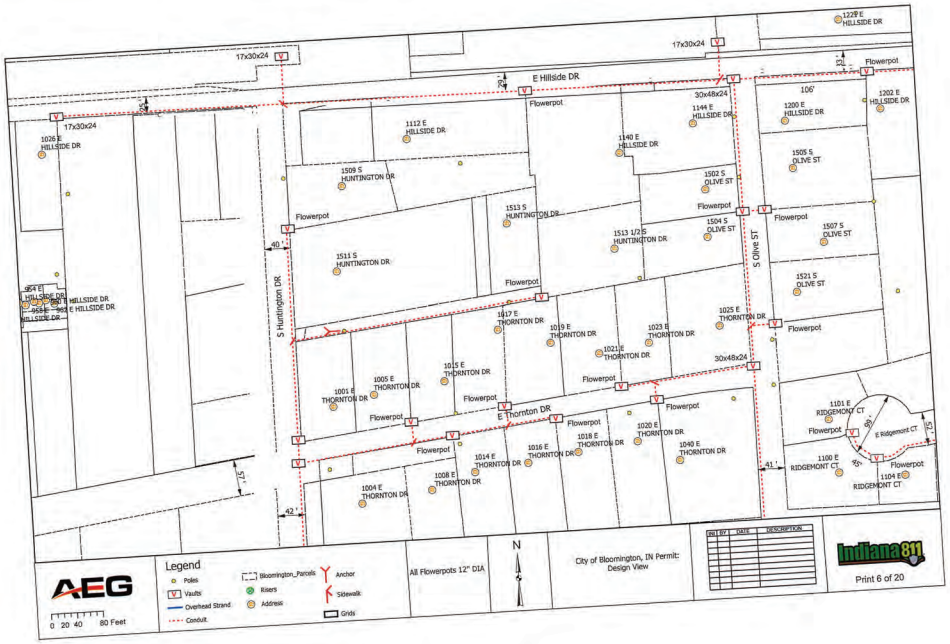
Spacing Charts Based on MUTCD Must be Approved by an Engineer							
	SIGN SPACING, FT.		BUFFER SPACE, FT.	TAPER LENGTH, FT.		CHANNELIZING SPACING, FT.	
Speed (MPH) Prior To Road Work	Non-Divided Highways	Divided Highways	Length	Shoulder/ Curb Width	Lane (12 Wide)	Through Taper	Through Buffer/Work Area
0-35	200	350	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640		730	235	940	60	120
Urban Low Speed - 100 FT							

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
☐ Check for Notice to Proceed.
Signature: _____
Company: _____

Road Runner Safety Services

Date: 12/7/2023 **Project:** BLN01b-FT1_N Williams St TCP :
: **Traffic Control Suggestion For:** ATLANTIC ENGINEERING (AEG) :
By: Road Runner Safety Services, Inc. : Nathan
Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.

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S Huntington DR
S Olive ST
E Thornton DR
E Ridgemont CT
Flowerpot
17x30x24
30x48x24
Legend
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Vaults
Overhead Strand
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Bloomington_Parcels
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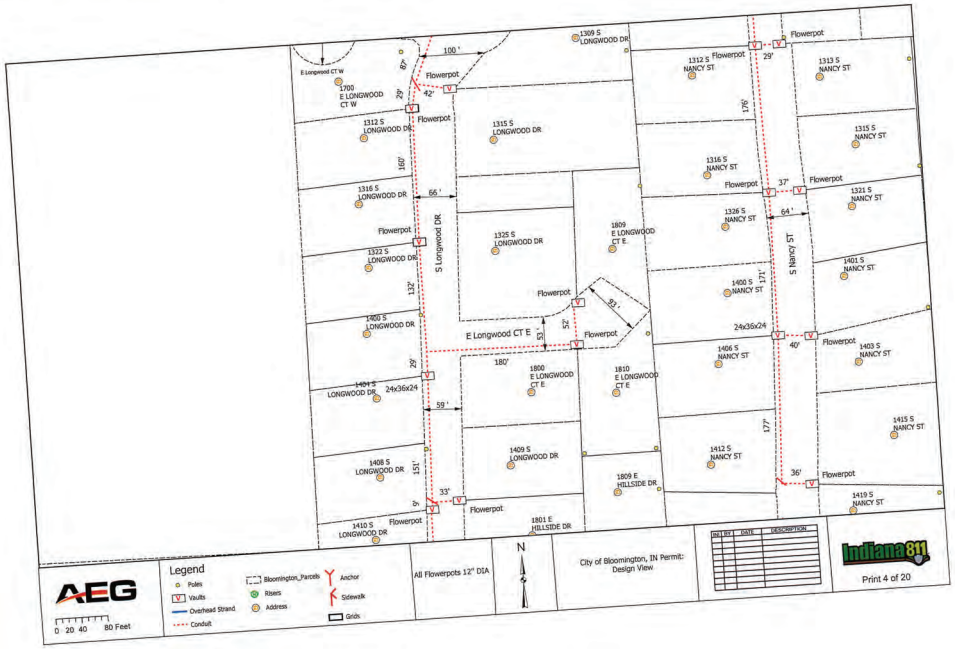
City of Bloomington, IN Permit: Design View
Indiana 811
Print 6 of 20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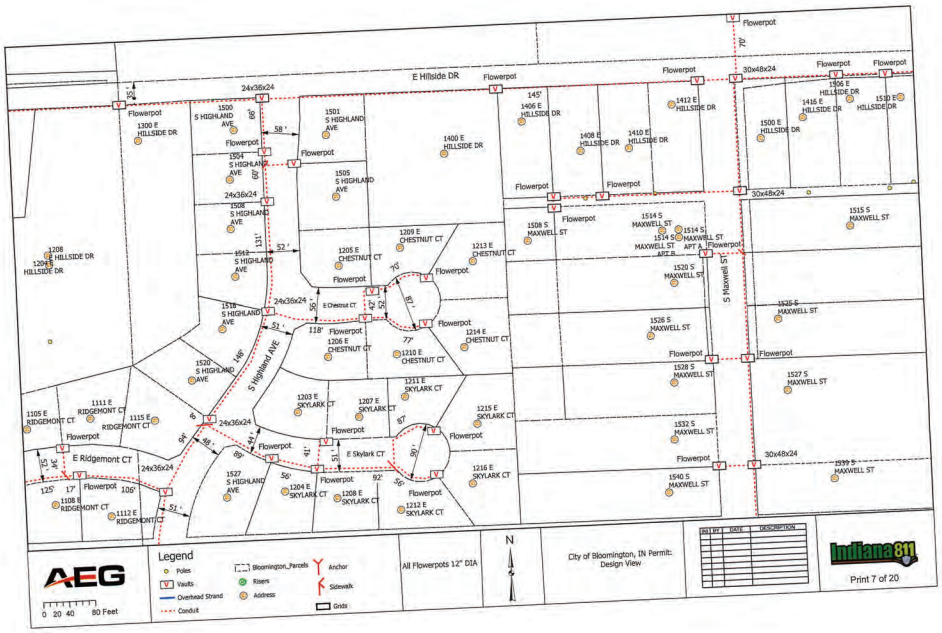
Print 4 of 20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City of Bloomington, IN Permit: Design View
Indiana 811
Print 7 of 20

S High ST
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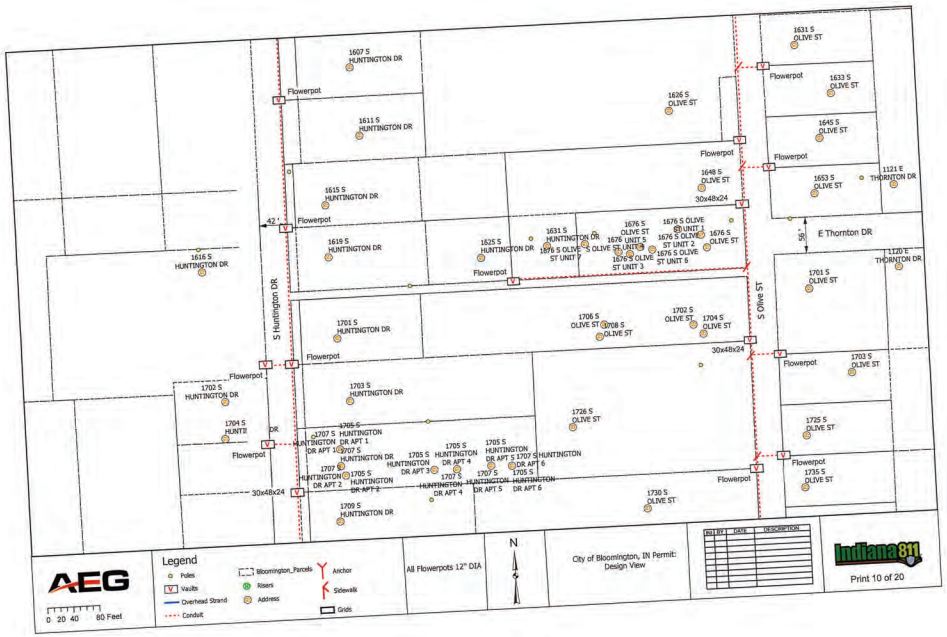
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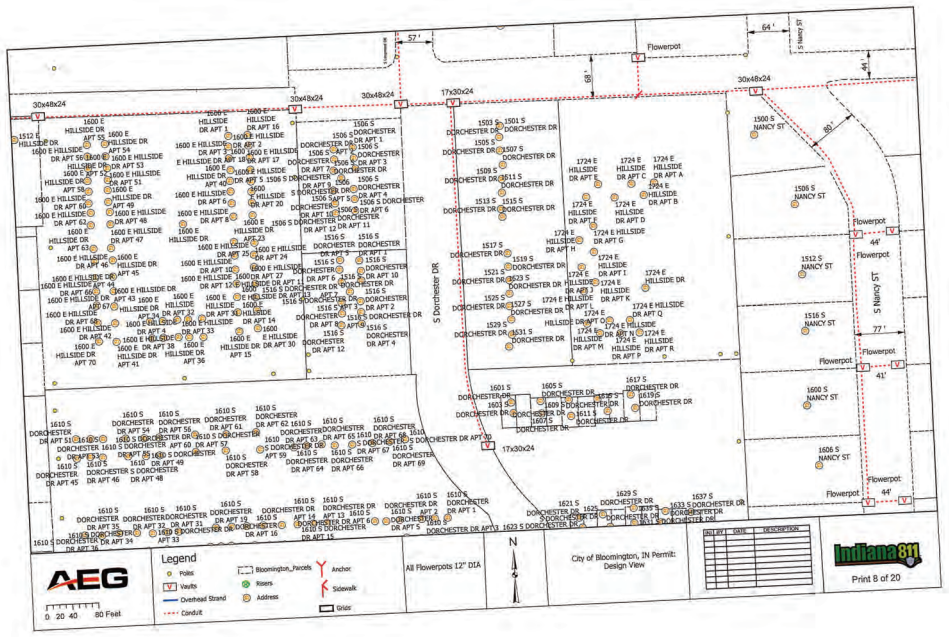
Print 10 of 20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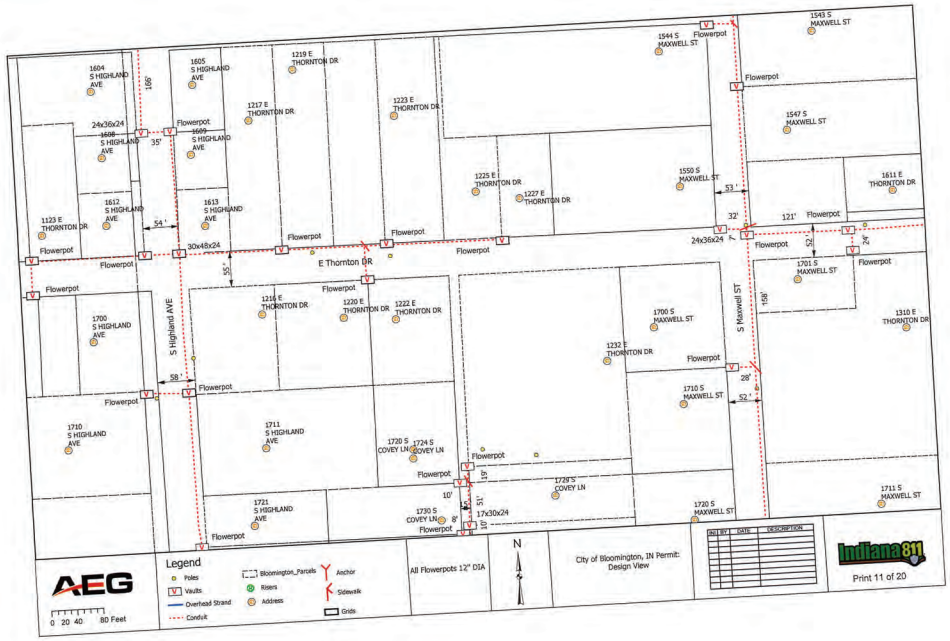
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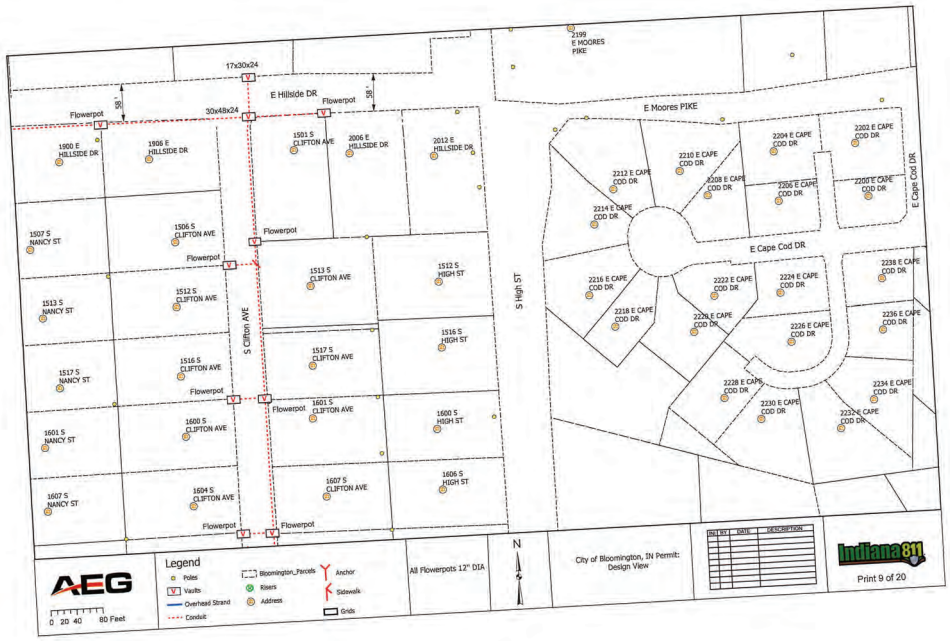
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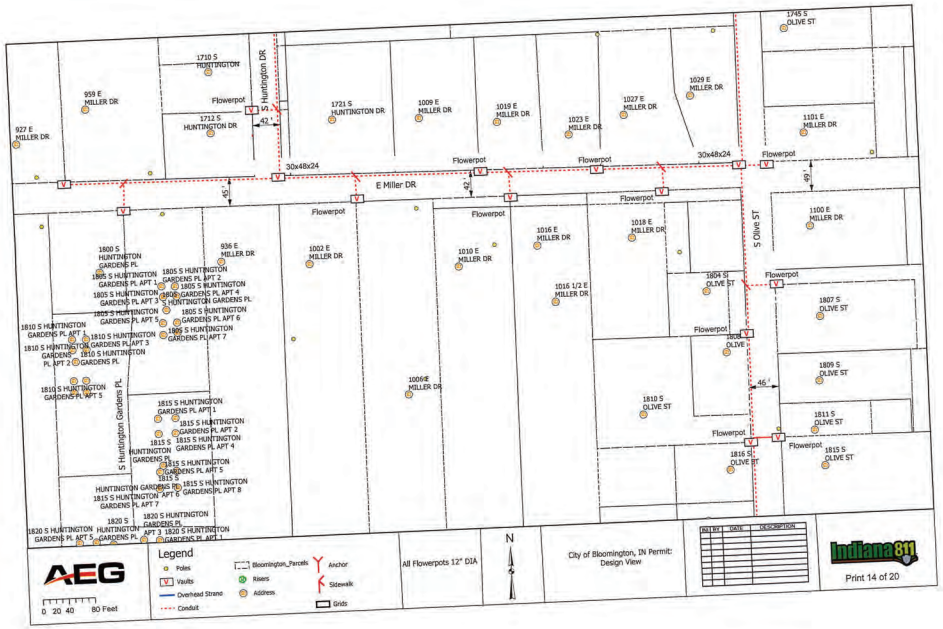
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City of Bloomington, IN Permit: Design View
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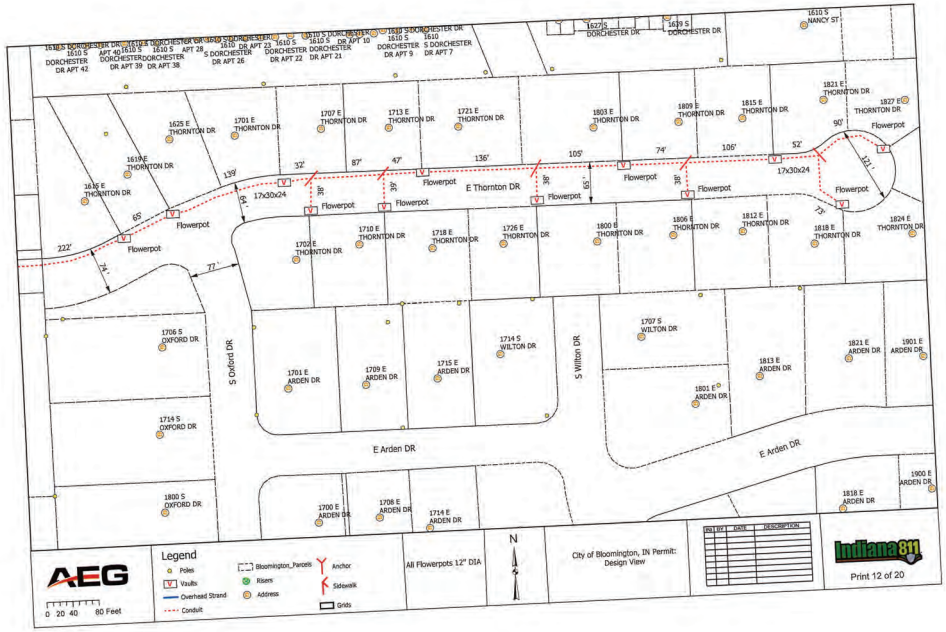
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City of Bloomington, IN Permit: Design View
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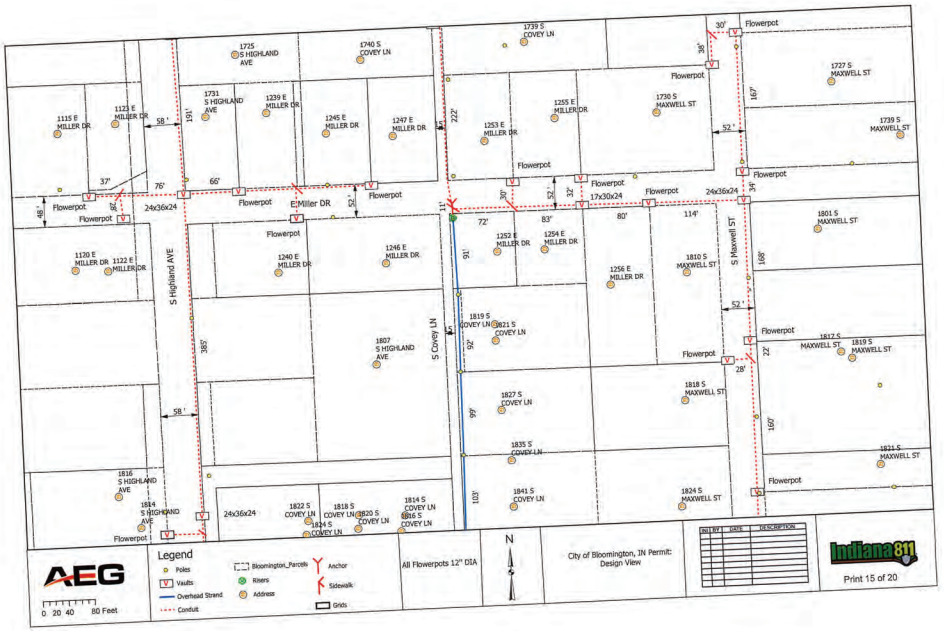
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S Covey LN
S Maxwell ST
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17x30x24
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
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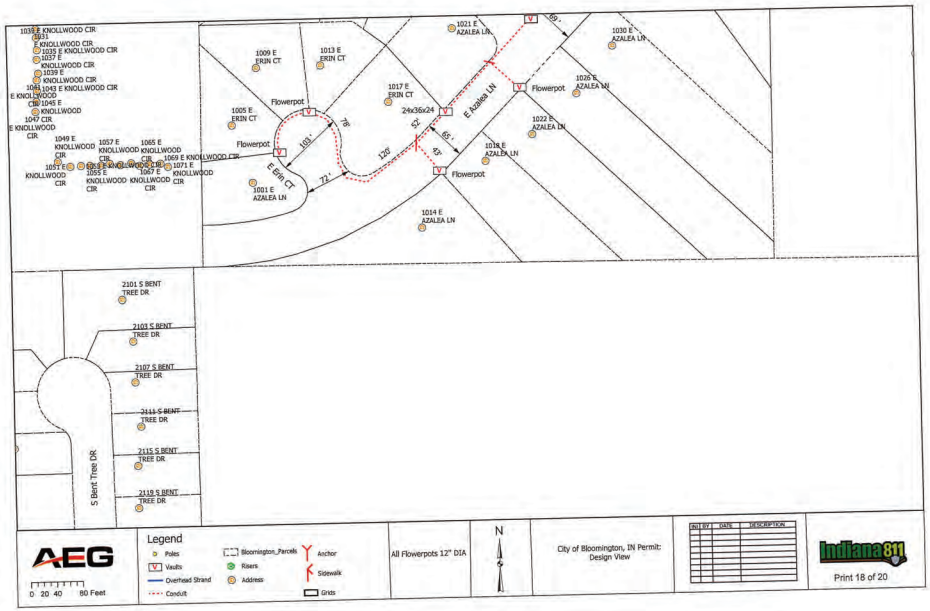
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2103 S BENT TREE DR
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2115 S BENT TREE DR
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City of Bloomington, IN Permit: Design View
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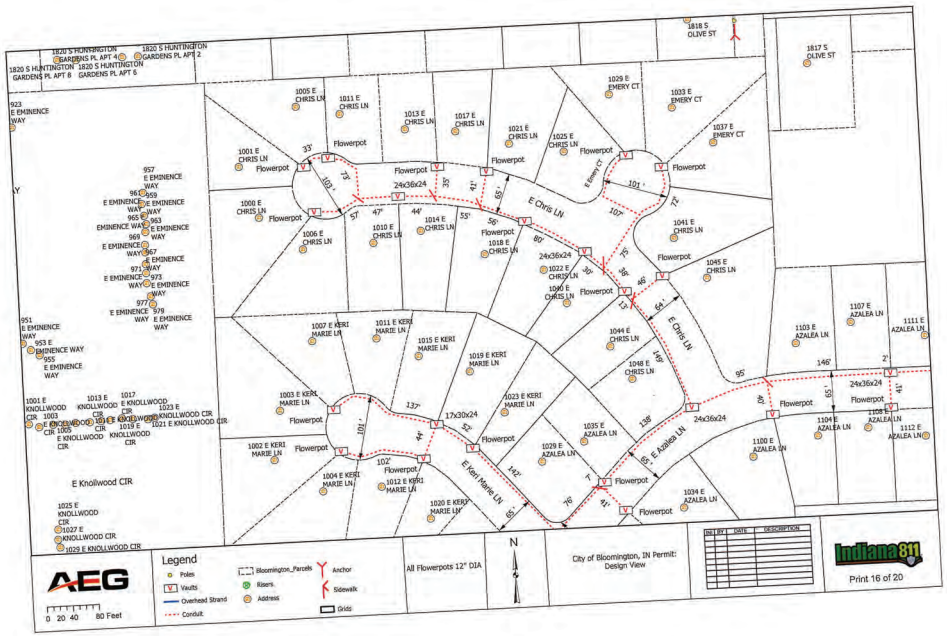
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City of Bloomington, IN Permit: Design View
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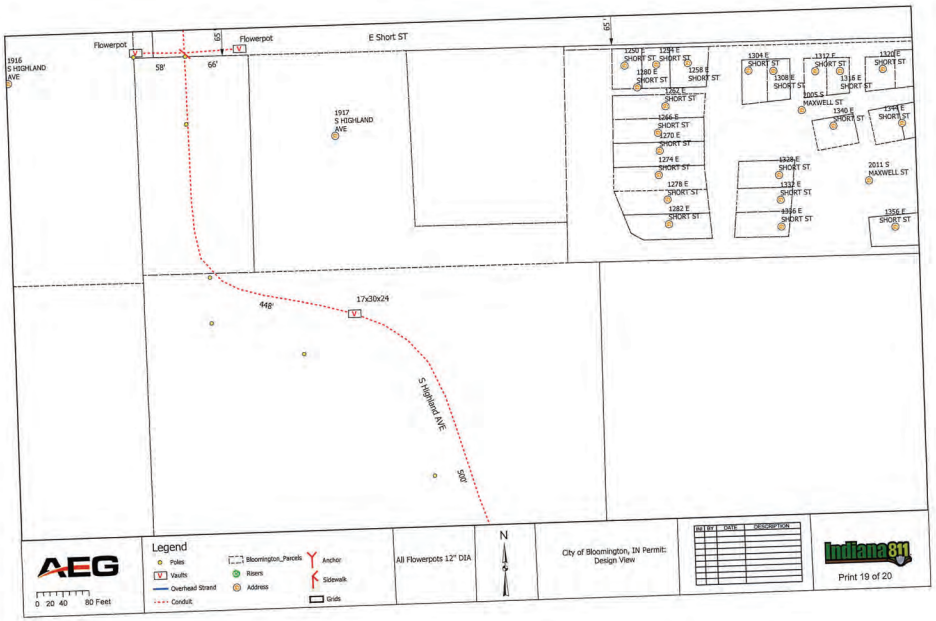
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1917 S HIGHLAND AVE
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1270 E SHORT ST
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1278 E SHORT ST
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1336 E SHORT ST
1340 E SHORT ST
1356 E SHORT ST
1005 S MAXWELL ST
2011 S MAXWELL ST
17x30x24
S Highland AVE
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City of Bloomington, IN Permit: Design View
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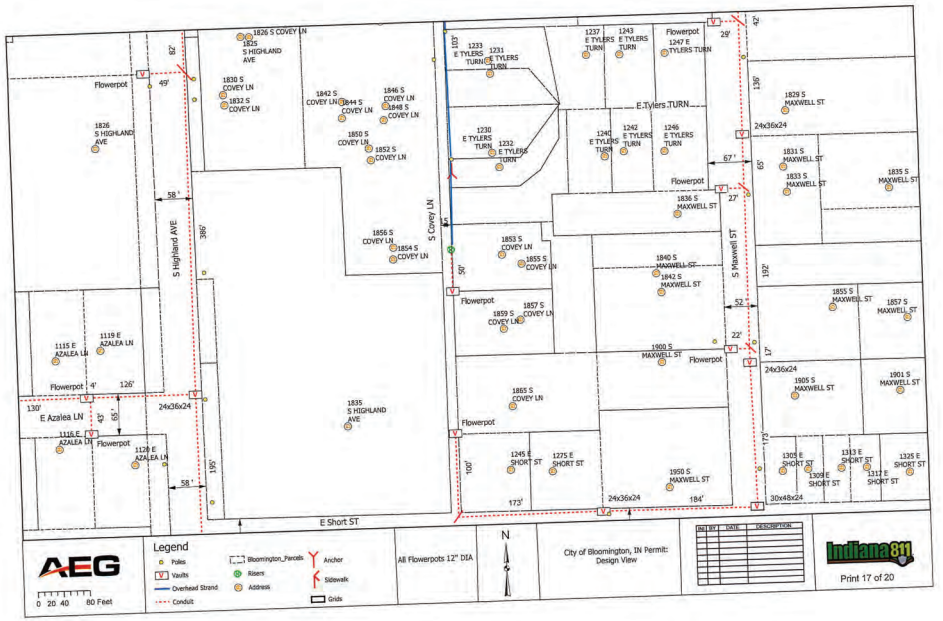
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E TYLERS TURN
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S Maxwell ST
24x36x24
30x48x24
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Bloomington_Parcels
Risers
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All Flowerpots 12" DIA
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City of Bloomington, IN Permit: Design View
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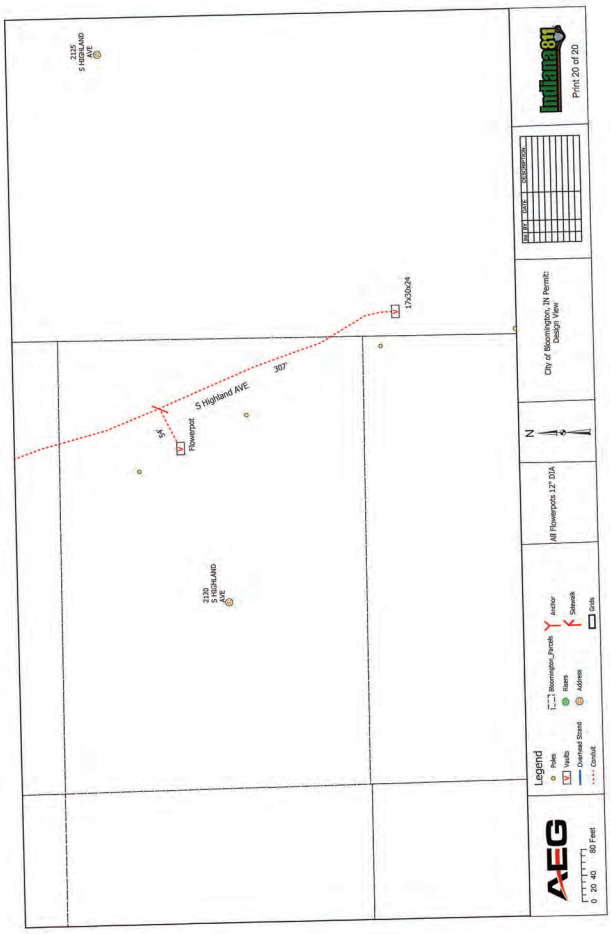


PV-Mold®

RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

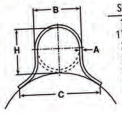
Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Standard Duty

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Actual Impact @ 0°C 20 Pound Tup
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

Flanged Overall Length 10 Feet, Including Bell



Size	Depth of Bell
1"	2 - 2 1/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

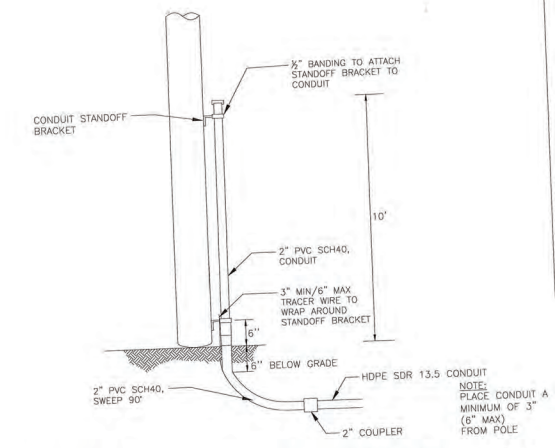
Slot Spacing: 18" from center, beginning 6" from end.

Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.



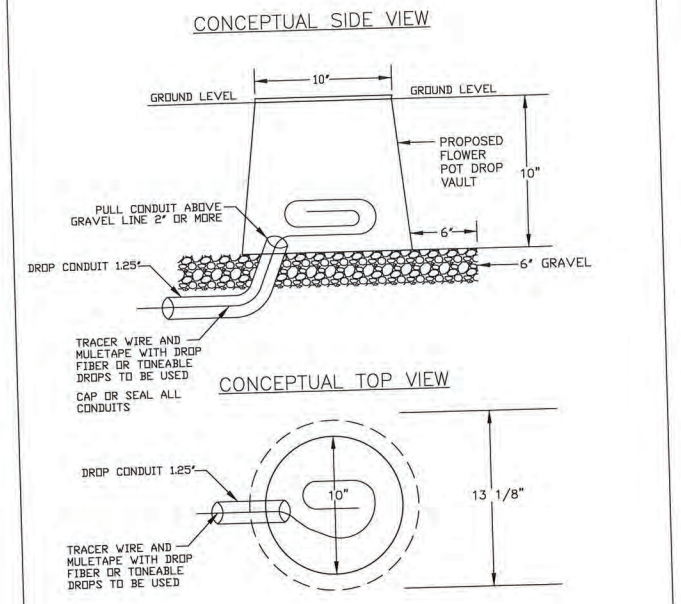
DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		

AEG

TYPICAL RISER CONDUIT WOOD POLE

(R2-W)

DATE: 02/03/2022 REVISION: CLM | SCALE: NTS



AEG

FLOWER POT

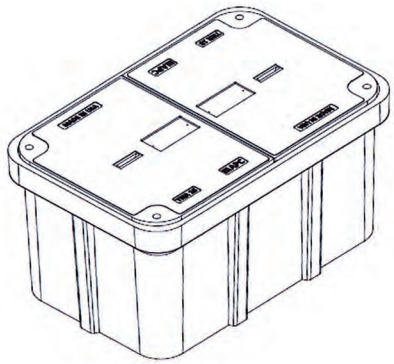
DATE: 02/02/2022 REVISION: CLM | SCALE: NTS

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

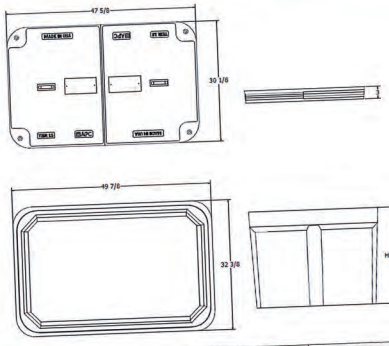
www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

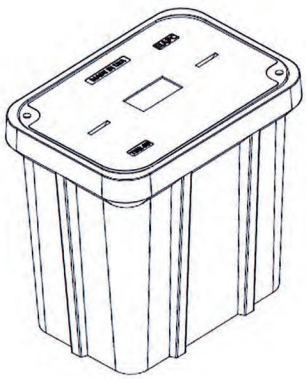
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

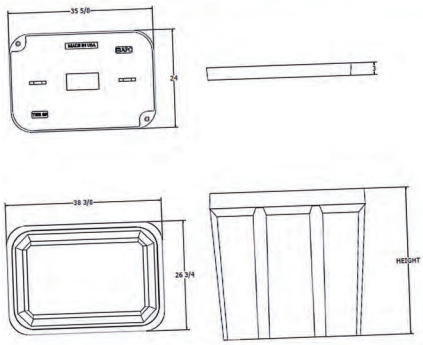
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids – T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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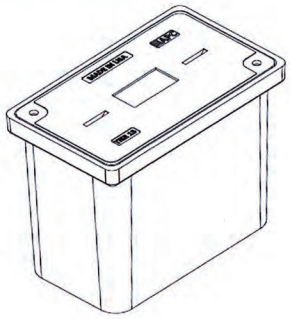
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

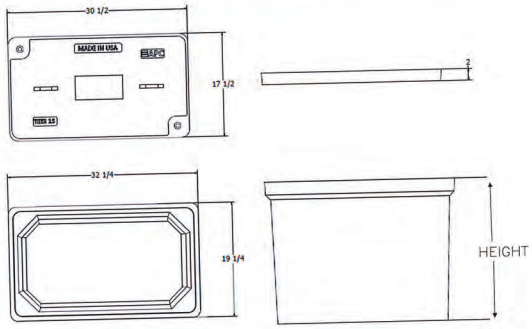
www.apcunderground.com

17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

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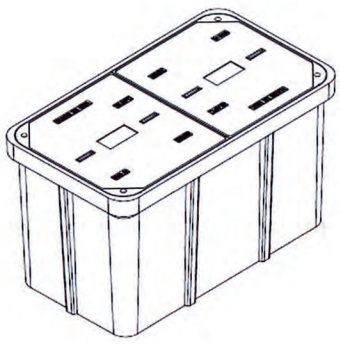
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

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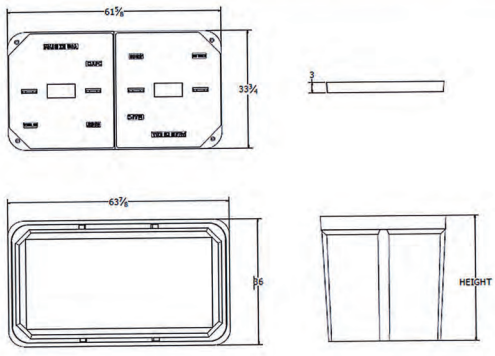
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

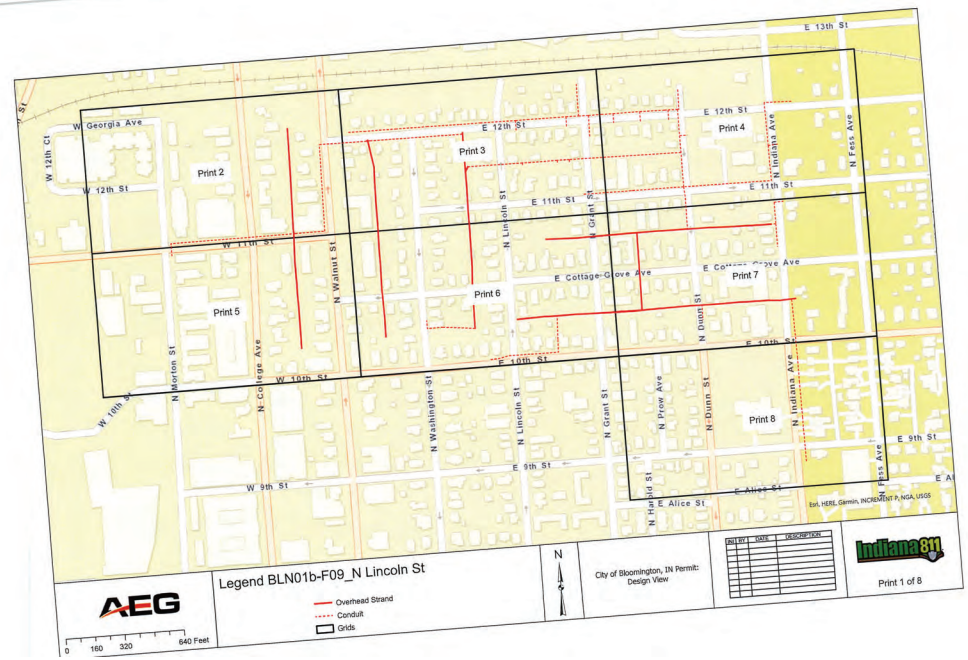
Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

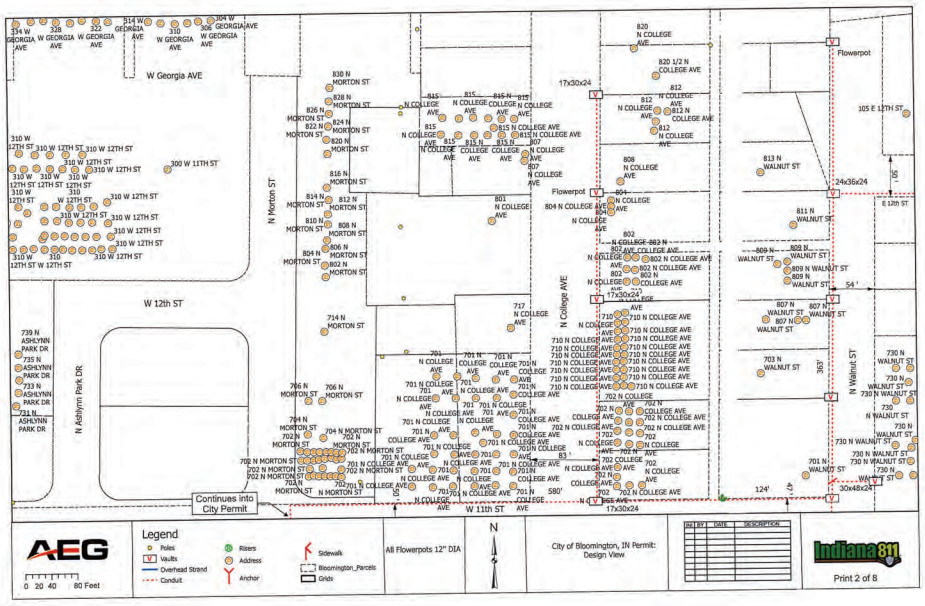
www.apcunderground.com



Spacing Charts Based on MUTCD — Must be Approved by an Engineer								
	SIGN SPACING, FT.		BUFFER SPACE, FT.	TAPER LENGTH, FT.		CHANNELIZING SPACING, FT.	
Speed (MPH) Prior To Road Work	Non-Divided Highways	Divided Highways	Length	Shoulder (10 ft Wide)	Lane (12 ft Wide)	Through Taper	Through Buffer/Work Area
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640		730	235	840	60	120
	Urban Low Speed - 100 FT						

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
☐ Check for Notice to Proceed.
BLC02a-F14_S Maxwell St -TCP1
Signature: _____
Company: _____

Date: 1/18/2023 Project: BLC02a-F14_S Maxwell St -TCP :
: Traffic Control Suggestion For: AEG :
By: Road Runner Safety Services, Inc. : Nathan
Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.



Spacing Charts Based on MUTCD — Must be Approved by an Engineer								
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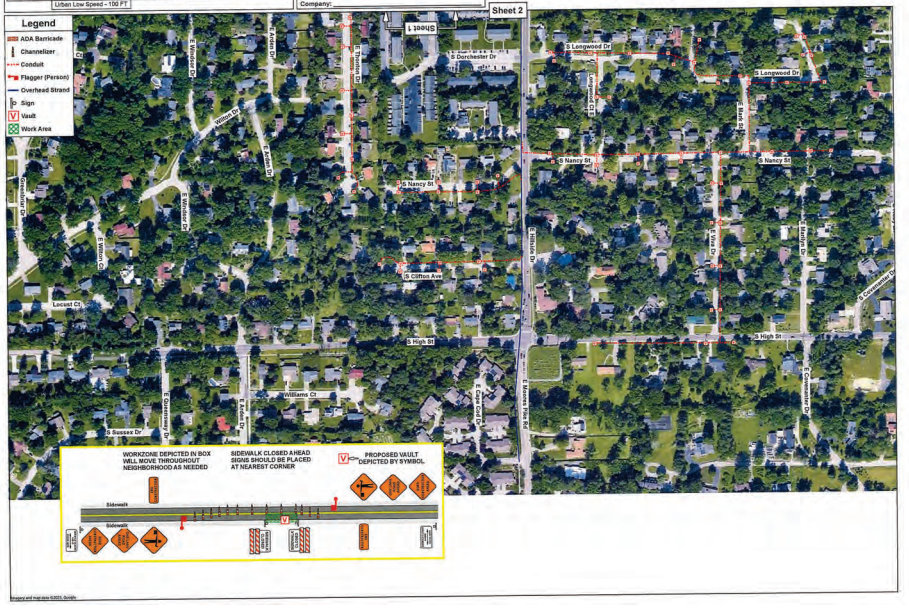
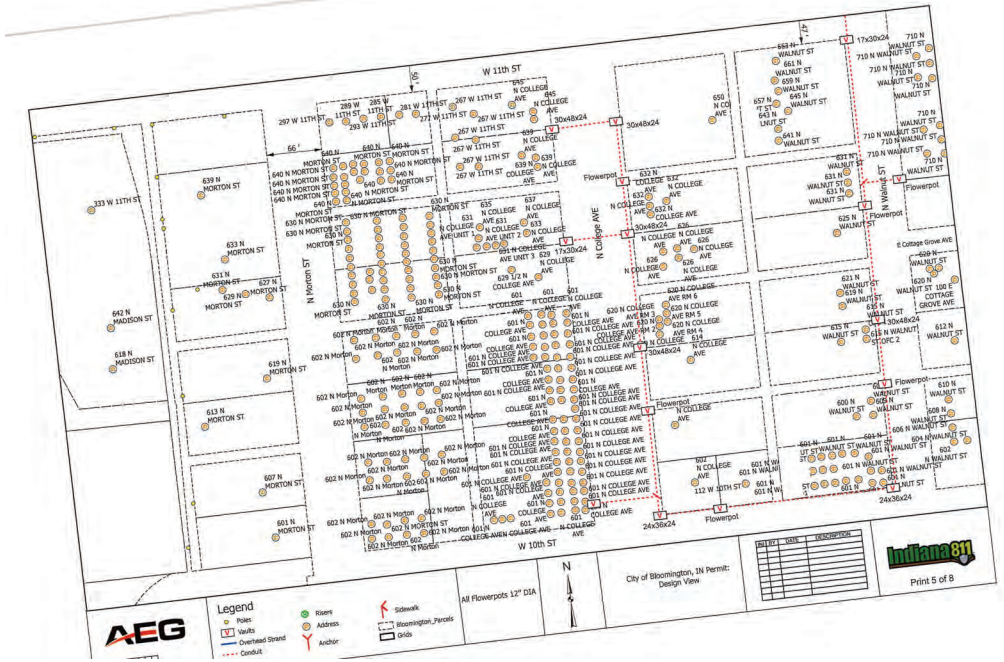
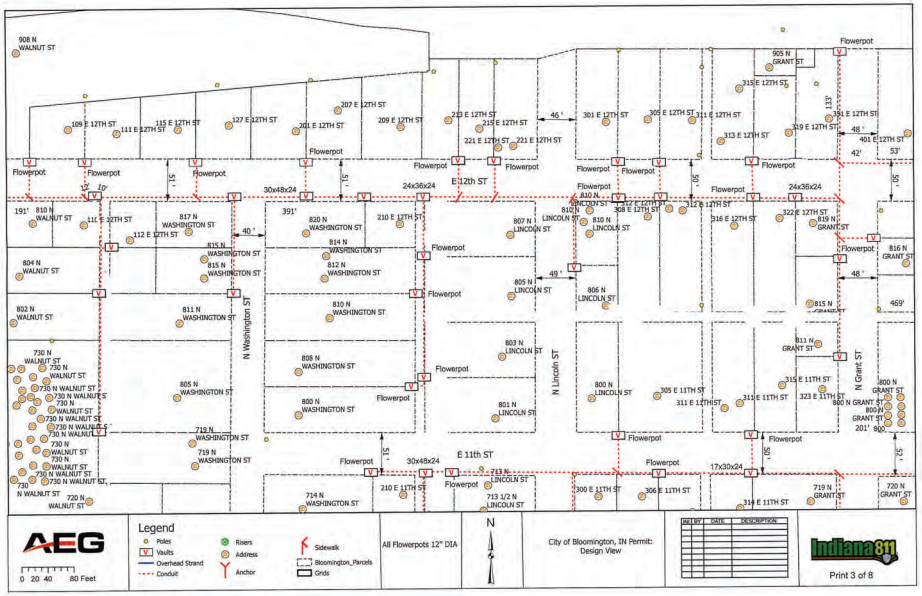
Speed (MPH) Prior To Road Work	Non-Divided Highways	Divided Highways	Length	Shoulder (10 ft Wide)	Lane (12 ft Wide)	Through Taper	Through Buffer/Work Area
0-35	200	350	255	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640		730	235	840	60	120
	Urban Low Speed - 100 FT						

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
☐ Check for Notice to Proceed.
BLC02a-F14_S Maxwell St -TCP2
Signature: _____
Company: _____

Date: 1/18/2023 Project: BLC02a-F14_S Maxwell St -TCP :
: Traffic Control Suggestion For: AEG :
By: Road Runner Safety Services, Inc. : Nathan
Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.




W 11th St
W 10th St
N Morton St
N College Ave
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana811
Print 5 of 8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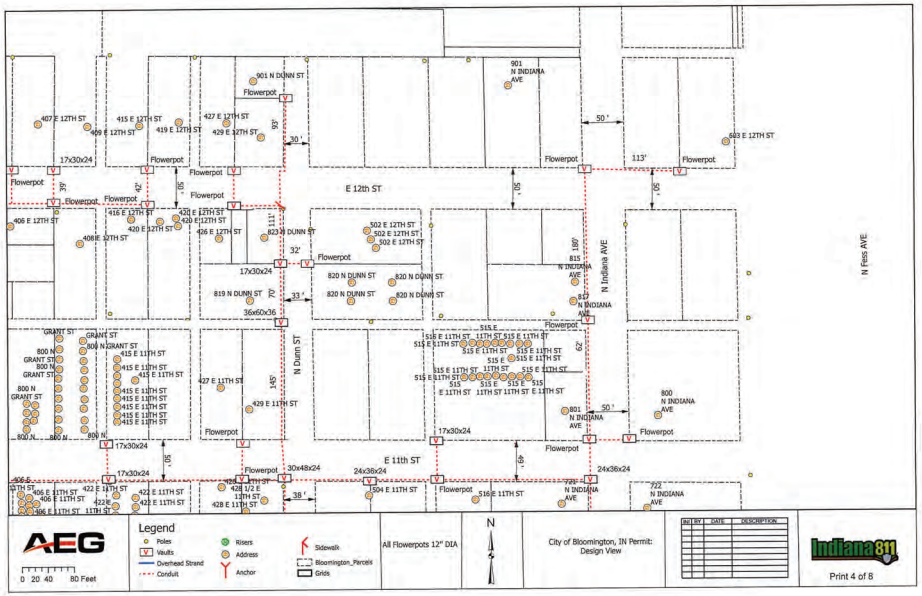
E 11th St
N Washington St
N Lincoln St
N Grant St
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana811
Print 3 of 8

E 10th St
E Cottage Grove Ave
N Washington St
N Lincoln St
N Grant St
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana811
Print 6 of 8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E 11th St
N Dunn St
N Indiana Ave
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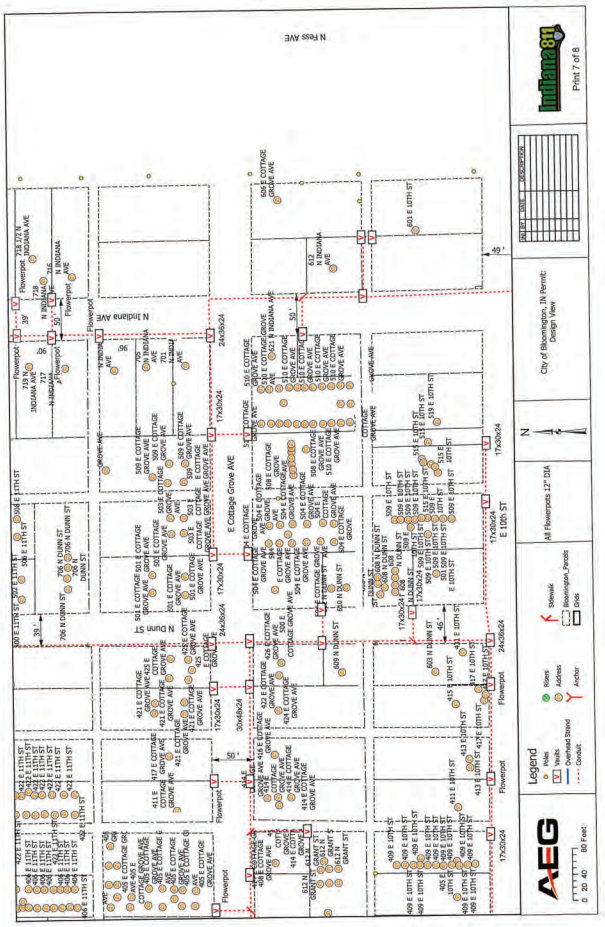
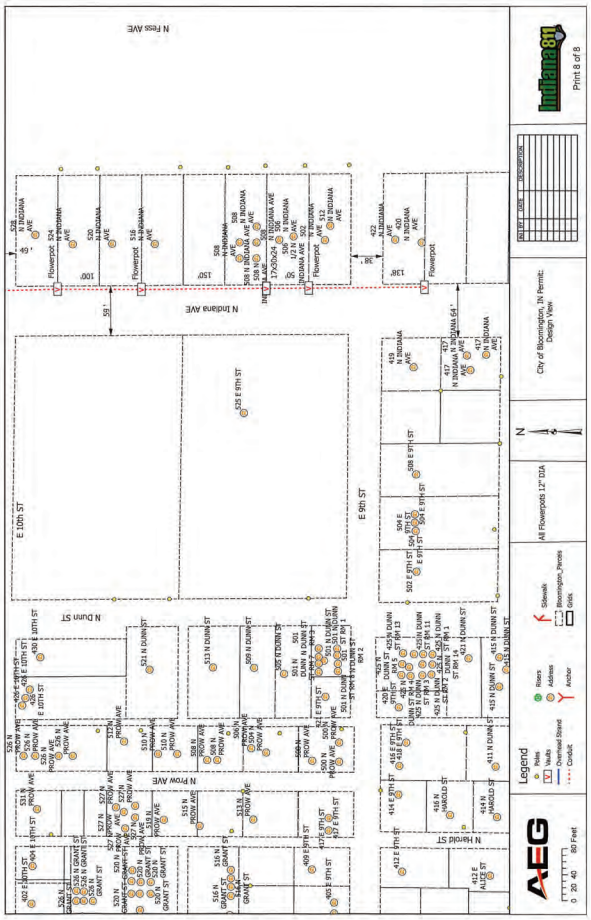
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana811
Print 4 of 8





PV-Mold®

RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Standard Duty

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Actual Impact @ 0°C 20 Pound Tup
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Extra Heavy Duty Schedule 80

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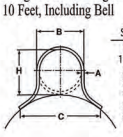
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.

Flanged Overall Length 10 Feet, Including Bell



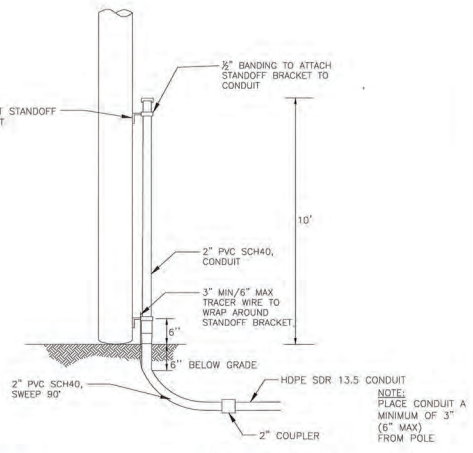
Size	Depth of Bell
1"	2 - 2 3/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		

AEG

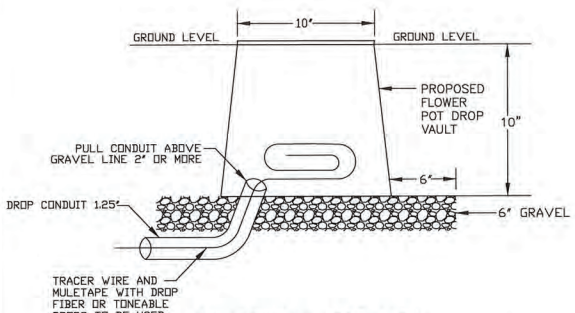
DATE: 02/03/2022
REVISION: CLM

SCALE: NTS

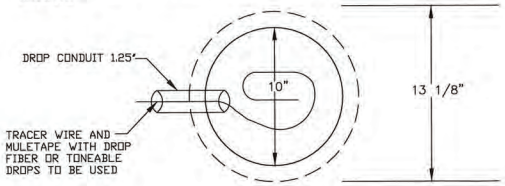
TYPICAL RISER
CONDUIT
WOOD POLE

(R2-W)

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW



AEG

DATE: 02/02/2022
REVISION: CLM

SCALE: NTS

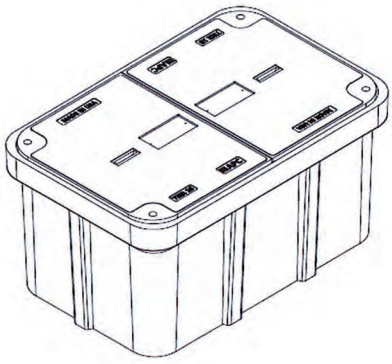
FLOWER POT

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

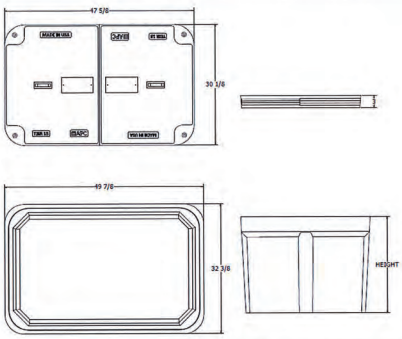
www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

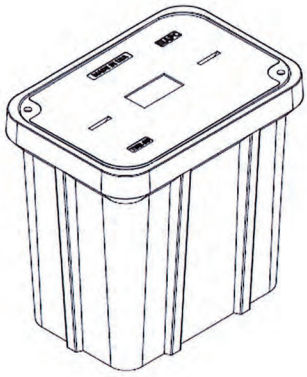
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

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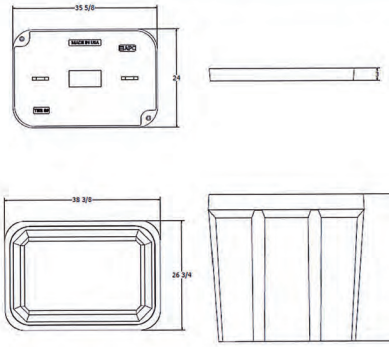
24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids – T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

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17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

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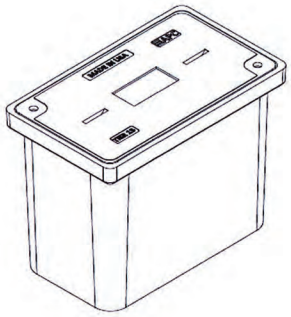

Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

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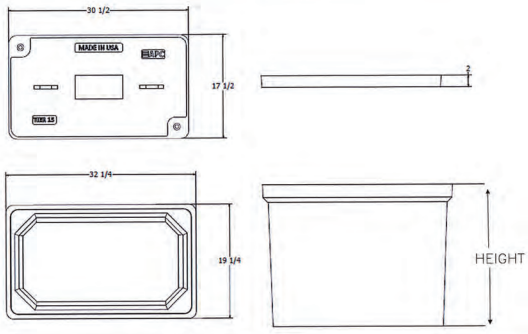
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

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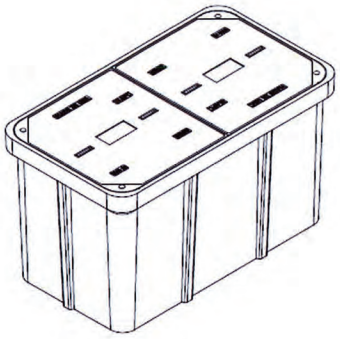
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

www.apcunderground.com

33”x60” PC UNIT, 2PC TIER 15/22

36” HEIGHT

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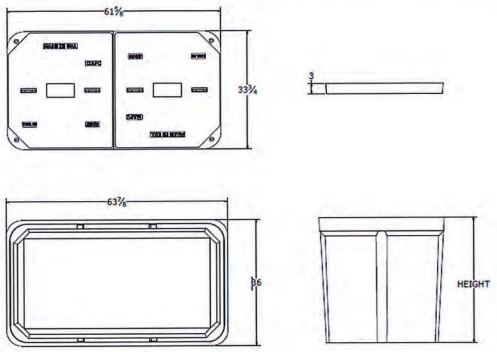

Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33”x60”x36”	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33”x60” (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33”x60” (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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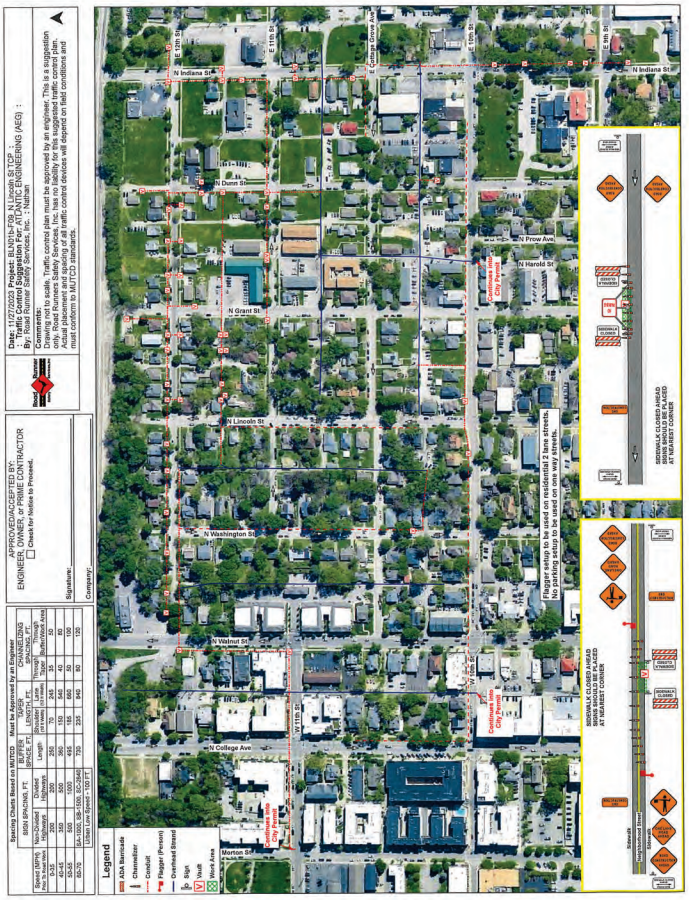

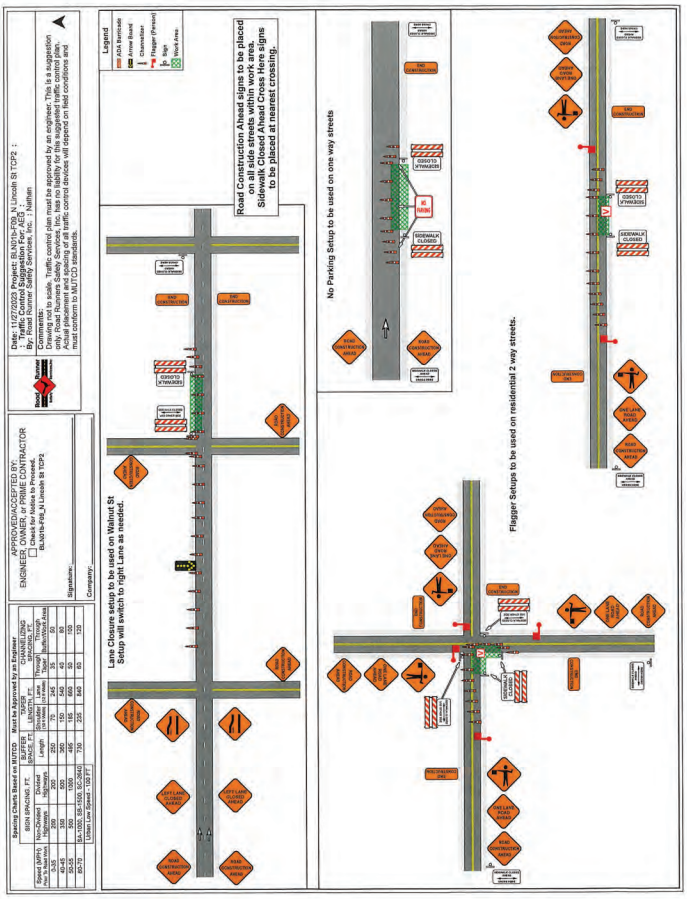

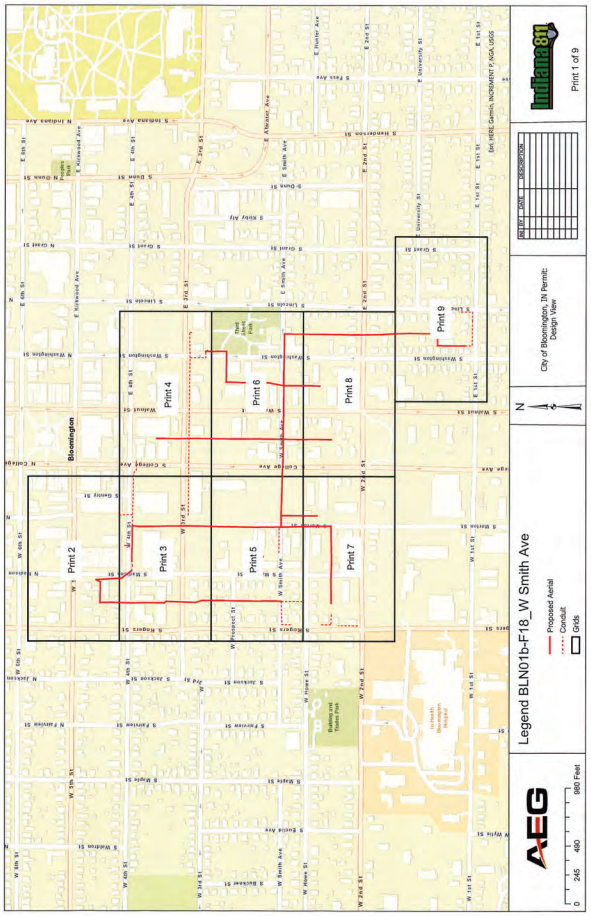

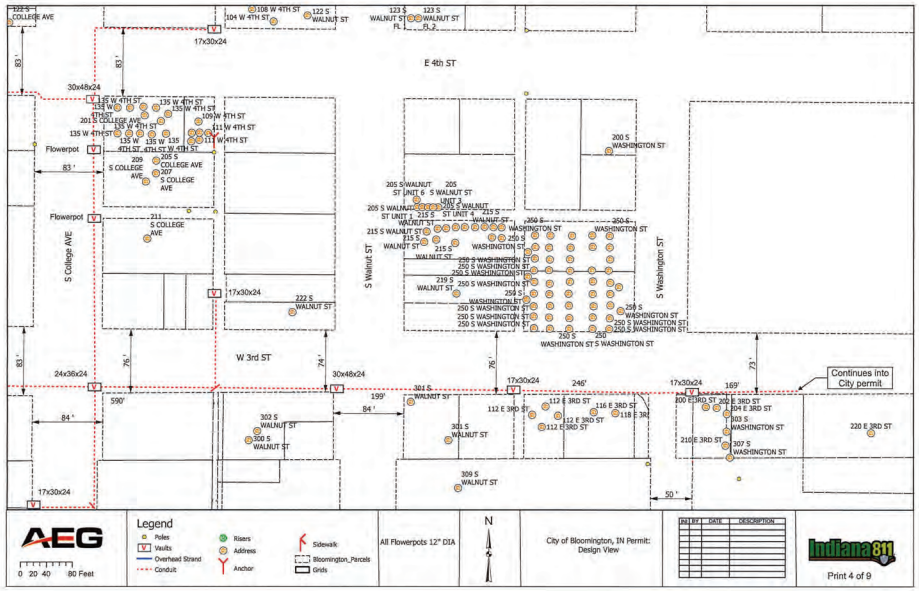
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W 3rd ST
S College AVE
S Walnut ST
S Washington ST
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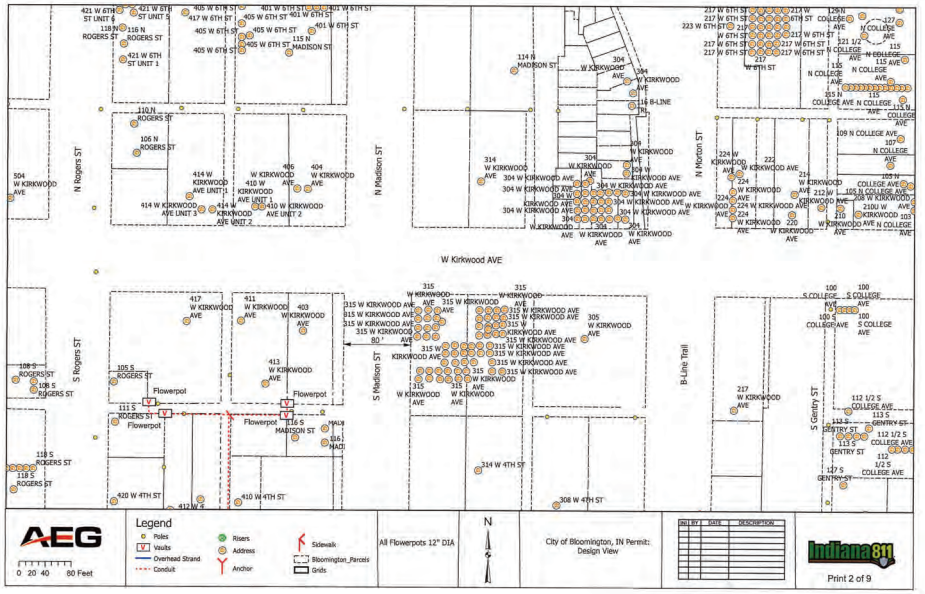
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 4 of 9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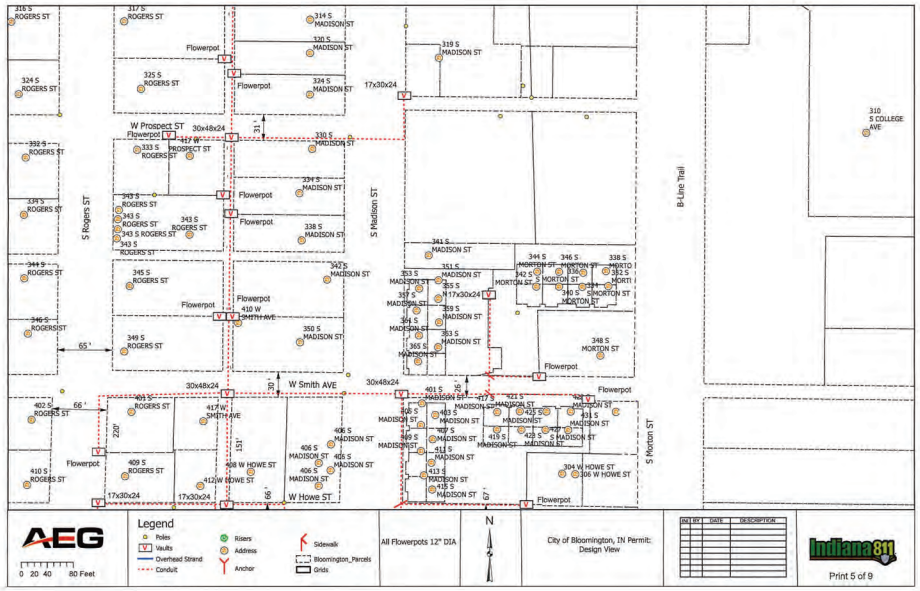
Print 2 of 9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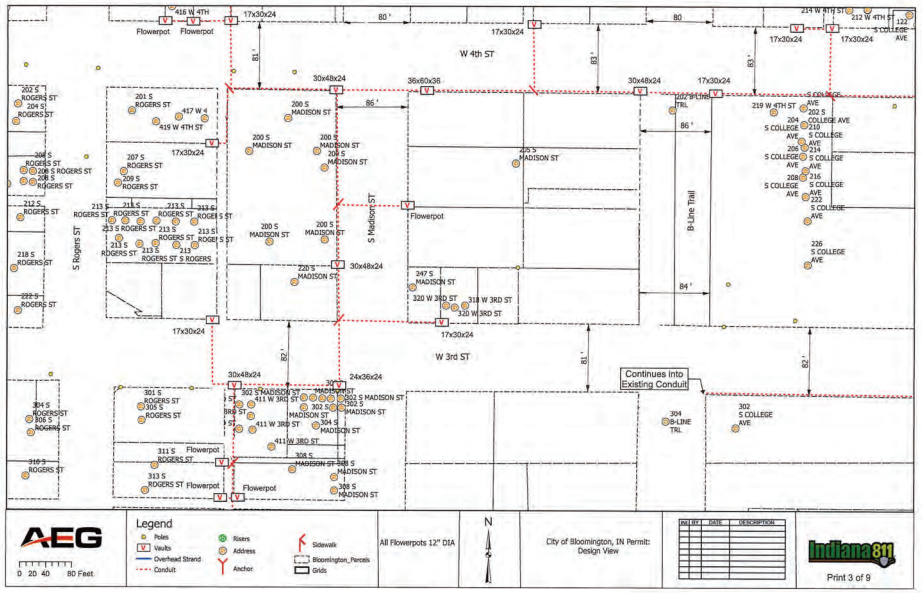
City of Bloomington, IN Permit: Design View
Print 5 of 9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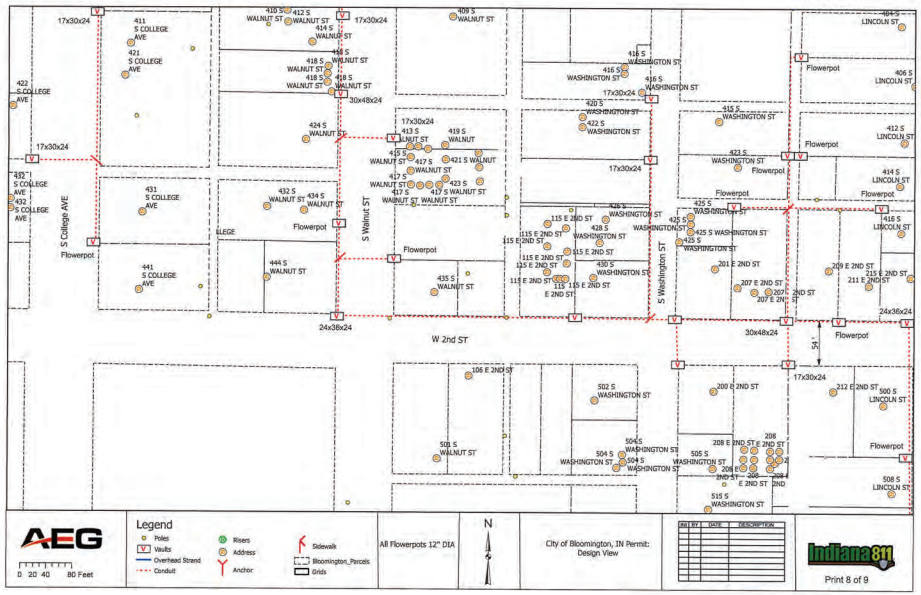
Print 3 of 9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Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
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All Flowerpots 12" DIA
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City of Bloomington, IN Permit: Design View
Indiana 811
Print 8 of 9
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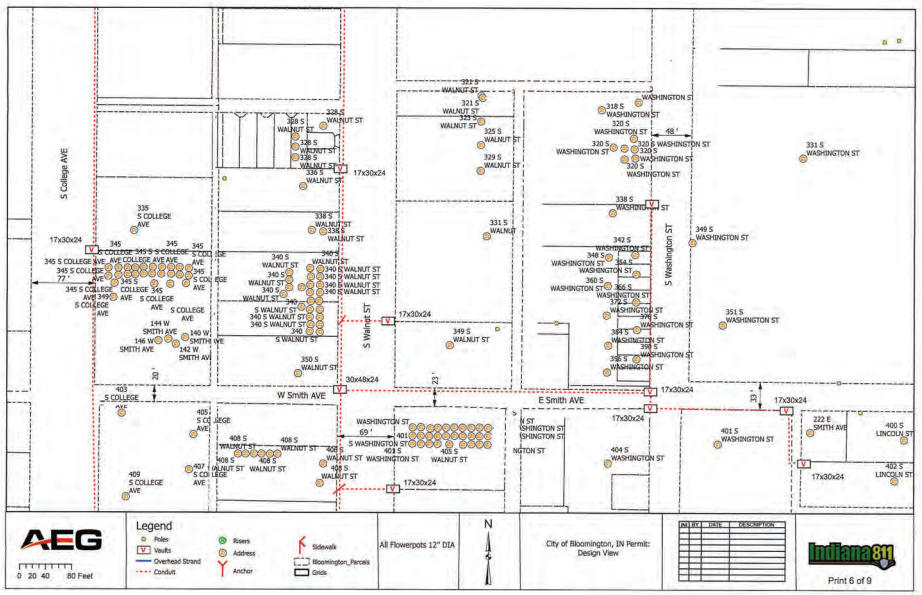
S Walnut ST
S Washington ST
W 2nd ST
E 2nd ST
Flowerpot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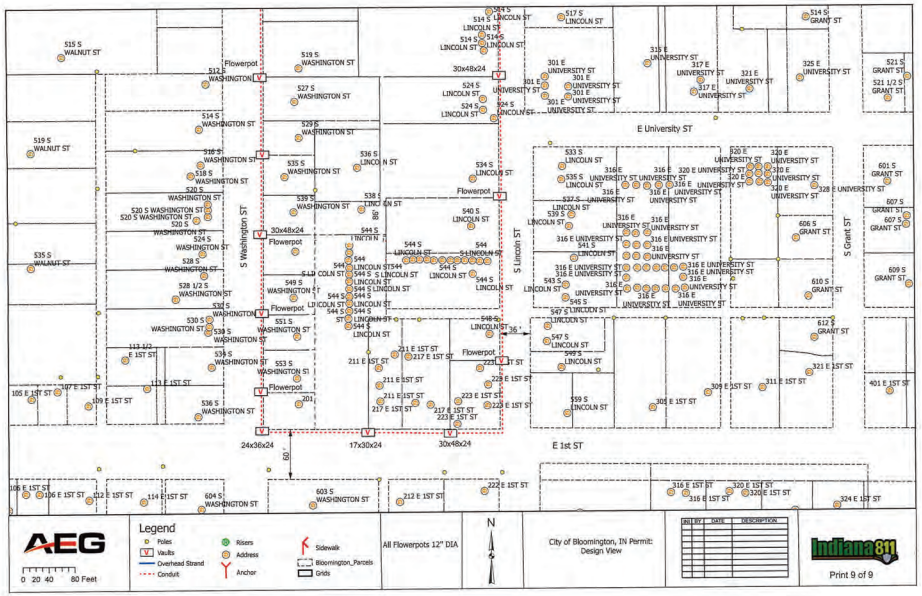
S Washington ST
S Grant ST
W Smith AVE
E Smith AVE
Flowerpot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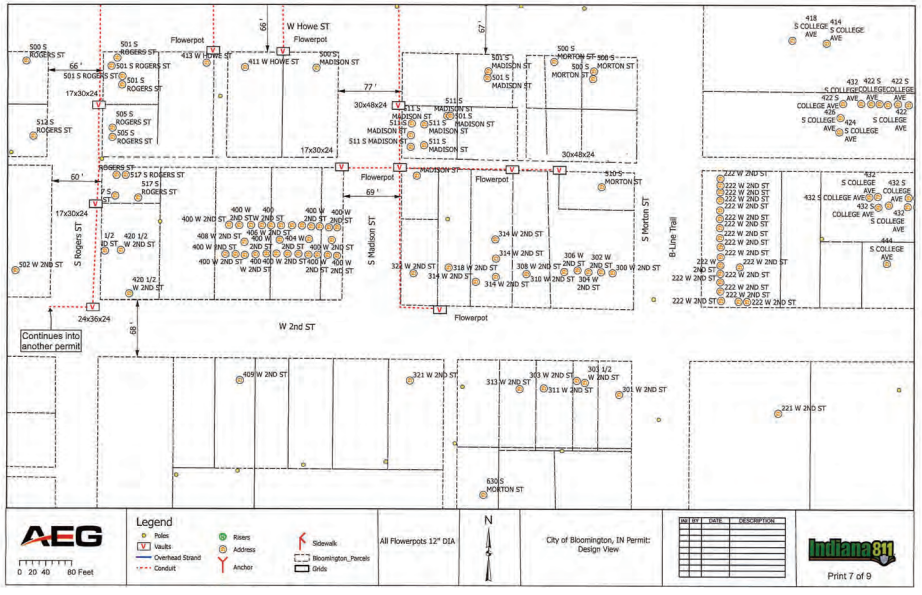
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W 2nd ST
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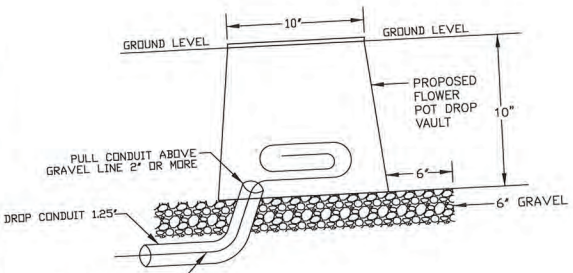
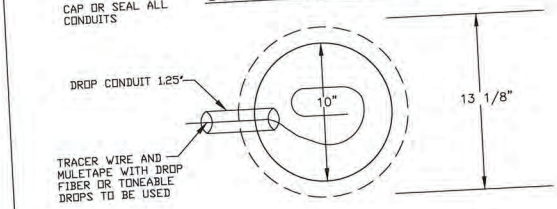
Continues into another permit

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW



AEG

FLOWER POT

DATE: 02/02/2022
REVISION: CLM

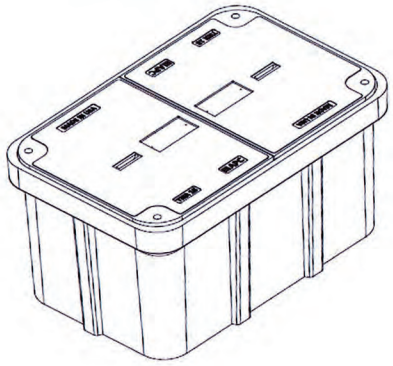
SCALE: NTS

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

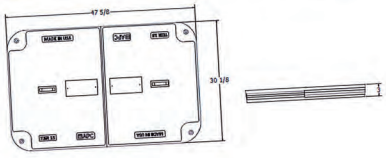
www.apcunderground.com

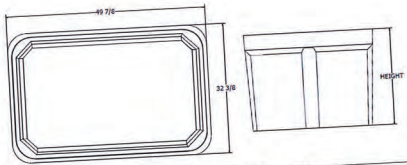
30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY





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Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

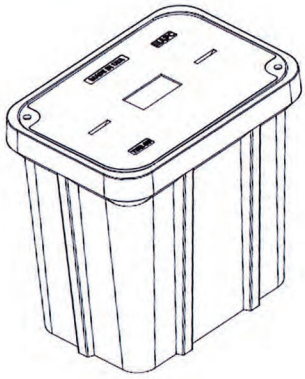
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

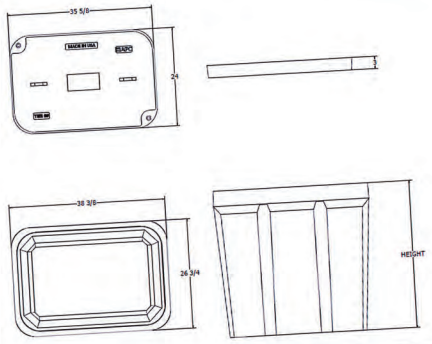
www.apcunderground.com

24”x36” PC UNIT, TIER 15/22

18”, 24”, 30”, and 36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24”x36”x18”	Tier 22	P243618B22	165 lbs.
Replacement Box	24”x36”x24”	Tier 22	P243624B22	195 lbs.
Replacement Box	24”x36”x30”	Tier 22	P243630B22	225 lbs.
Replacement Box	24”x36”x36”	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24”x36”	Tier 15	Various	170 lbs.
Replacement Lids – T22	24”x36”	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

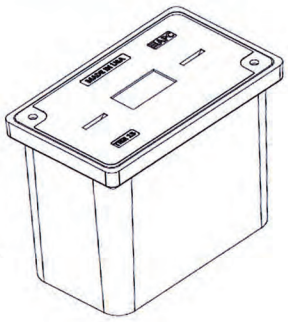
www.apcunderground.com

17”x30” PC UNIT, TIER 15/22

12”, 18”, 24”, and 30” HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17”x30”x12”	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17”x30”x12”	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17”x30”x18”	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17”x30”x18”	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17”x30”x24”	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17”x30”x24”	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17”x30”x30”	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17”x30”x30”	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

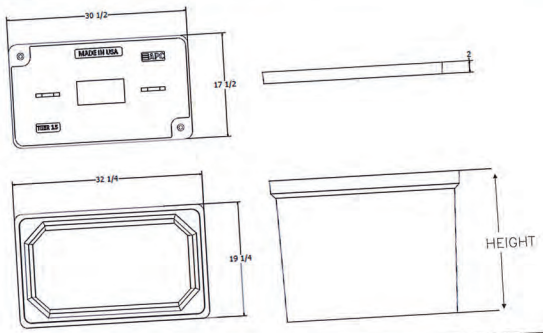
www.apcunderground.com

17”x30” PC UNIT, TIER 15/22

12”, 18”, 24”, and 30” HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17”x30”X12”	Tier 22	P173012B22	66 lbs.
Replacement Box	17”x30”X18”	Tier 22	P173018B22	100 lbs.
Replacement Box	17”x30”x24”	Tier 22	P173024B22	120 lbs.
Replacement Box	17”x30”x30”	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17”x30”	Tier 15	Various	72 lbs.
Replacement Lids – T22	17”x30”	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

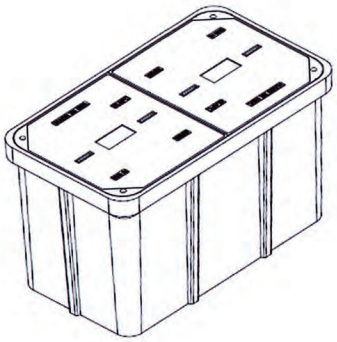
www.apcunderground.com

33”x60” PC UNIT, 2PC TIER 15/22

36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33”x60”x36”	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33”x60”x36”	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

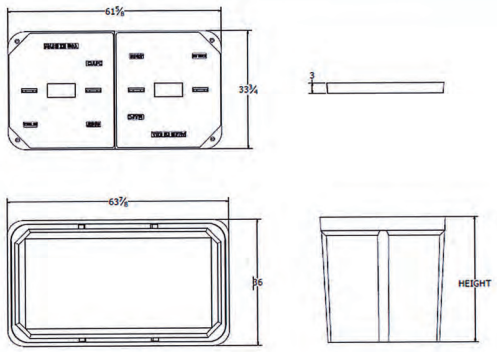
www.apcunderground.com

33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

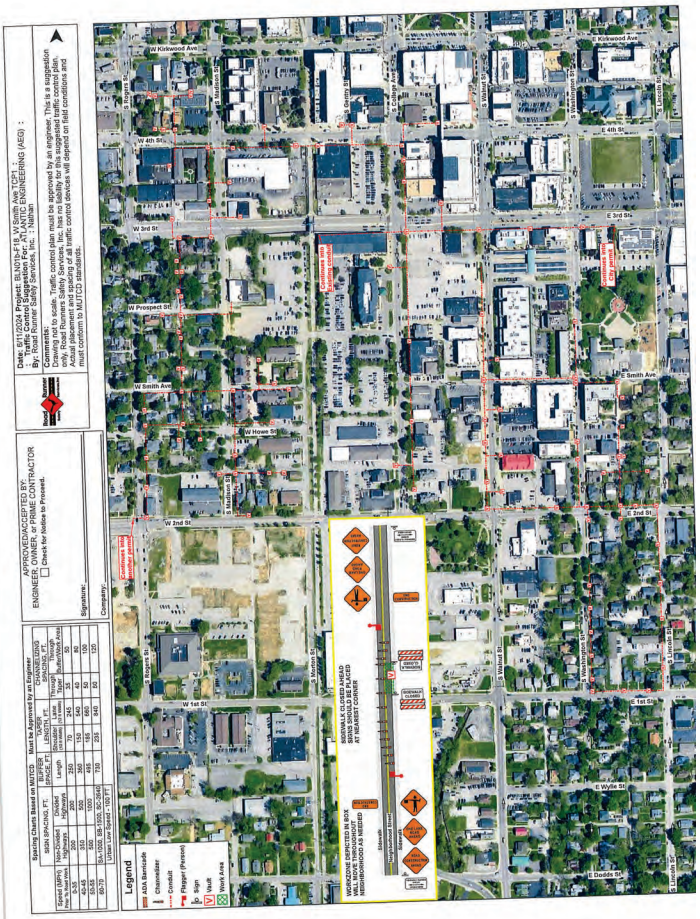
Penta Head

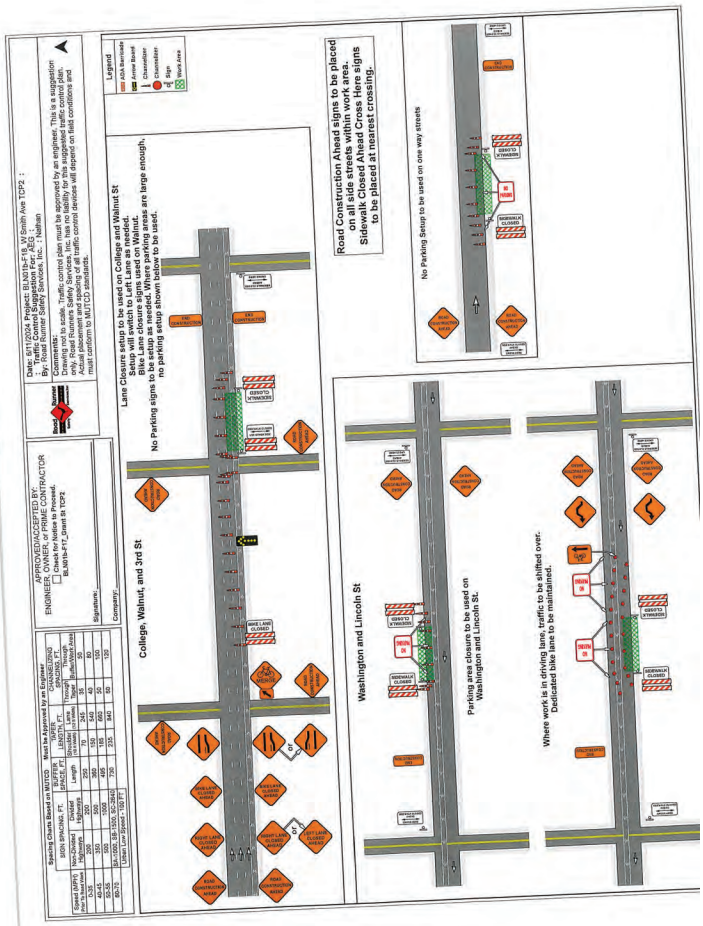
Machine Thread

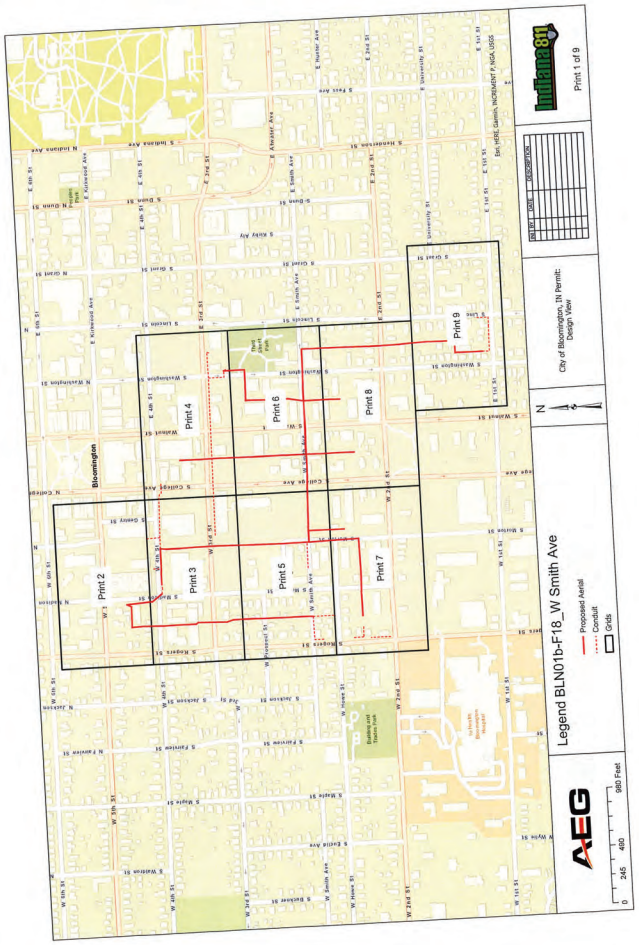
Auger Thread

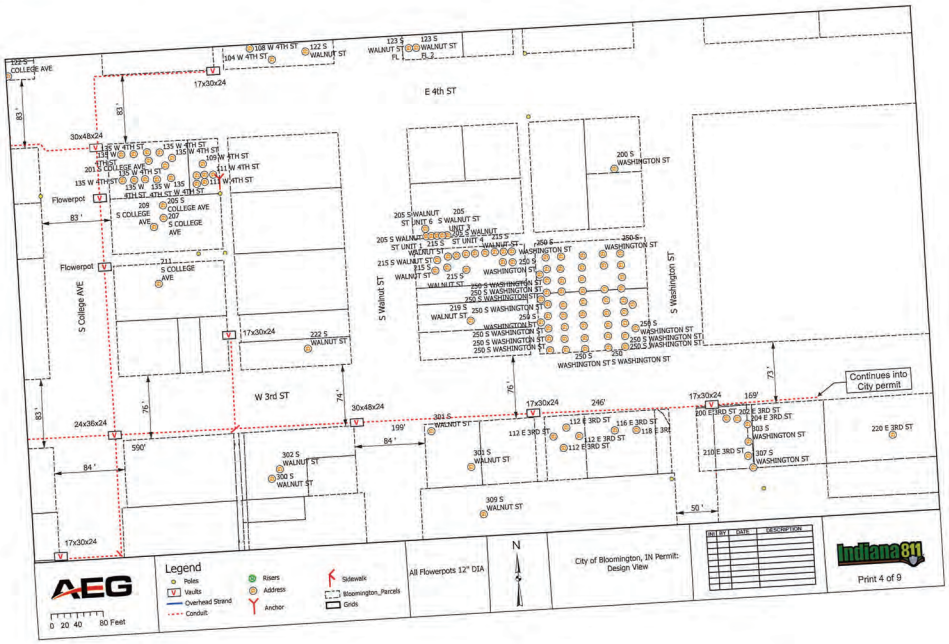
PROUDLY MADE IN USA

www.apcunderground.com





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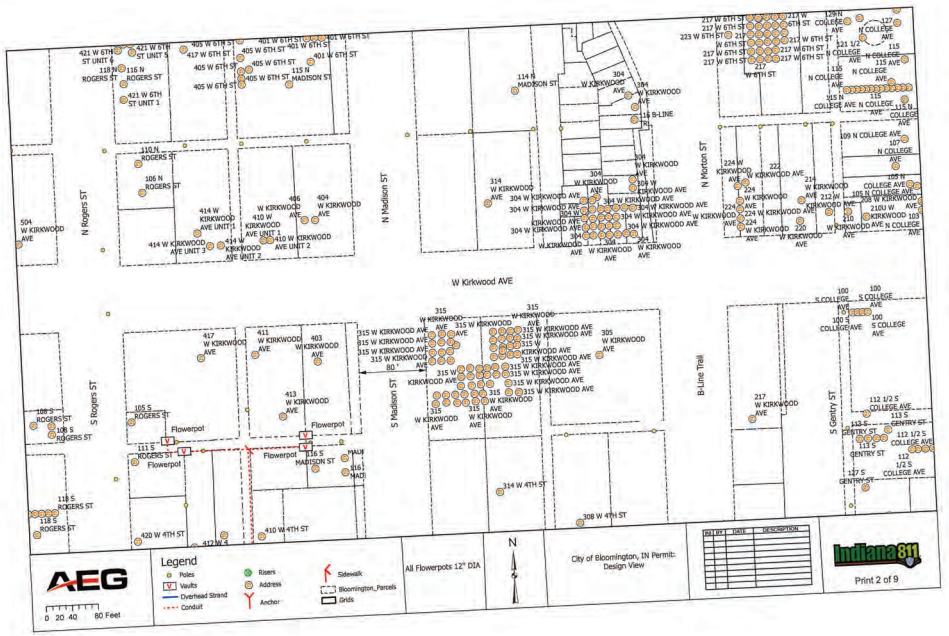
W 3rd ST
S College AVE
S Walnut ST
S Washington ST
Continues into City permit
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 4 of 9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B-Line Trail
S Gentry ST
Legend
Poles
Vaults
Overhead Strand
Conduit
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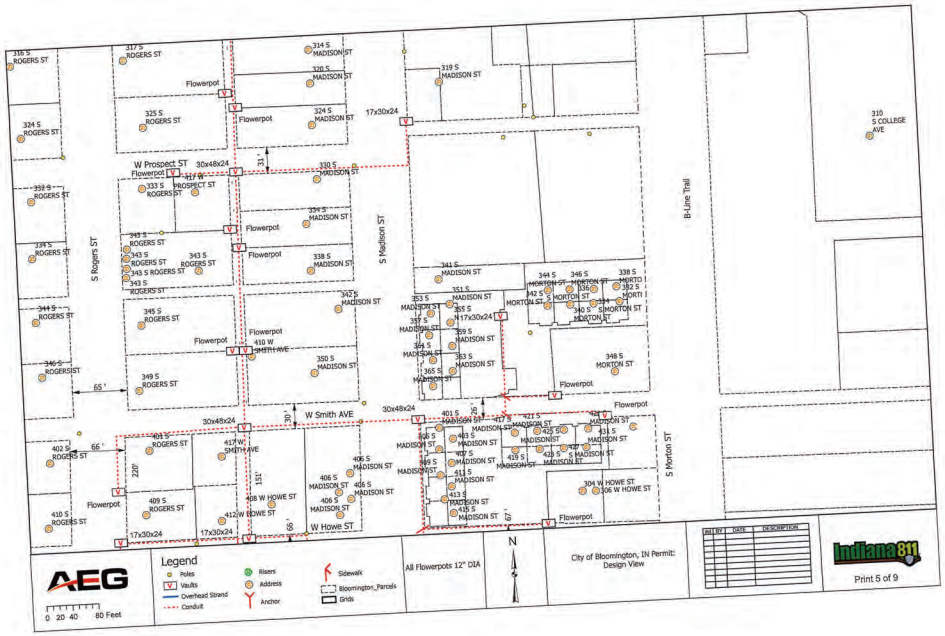
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 2 of 9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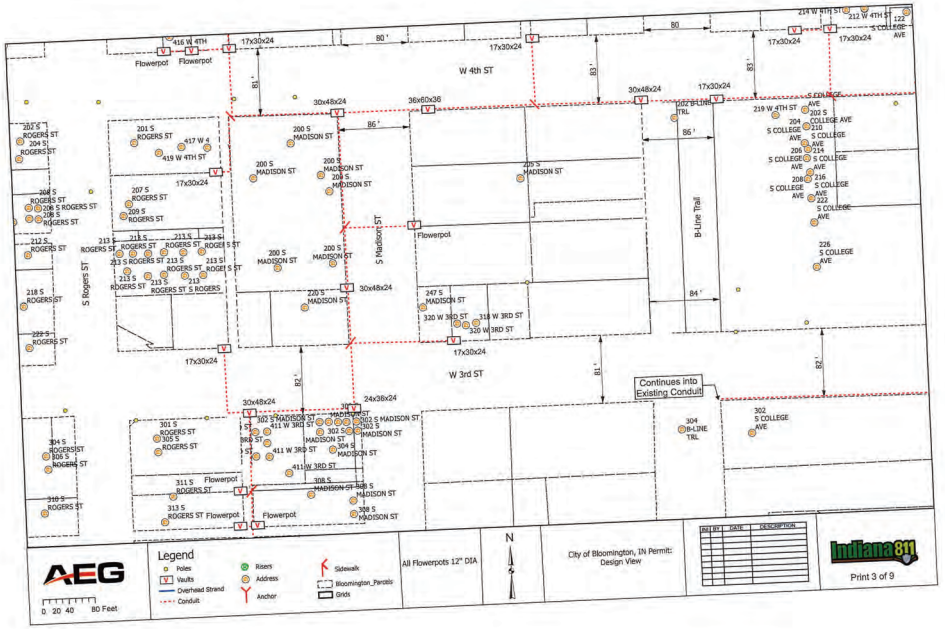
City of Bloomington, IN Permit: Design View
Indiana 811
Print 5 of 9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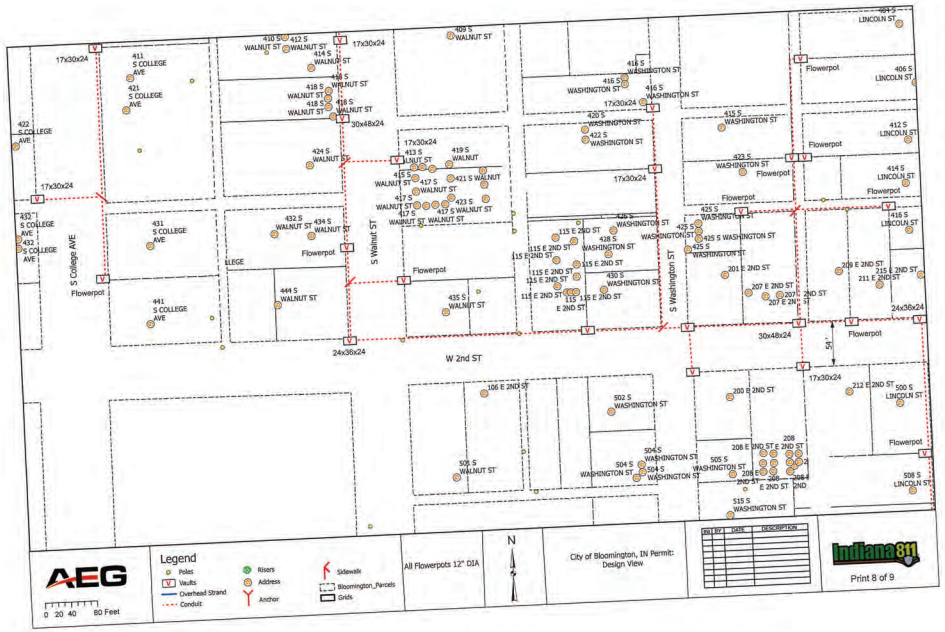
City of Bloomington, IN Permit: Design View
Indiana 811
Print 3 of 9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Sidewalk
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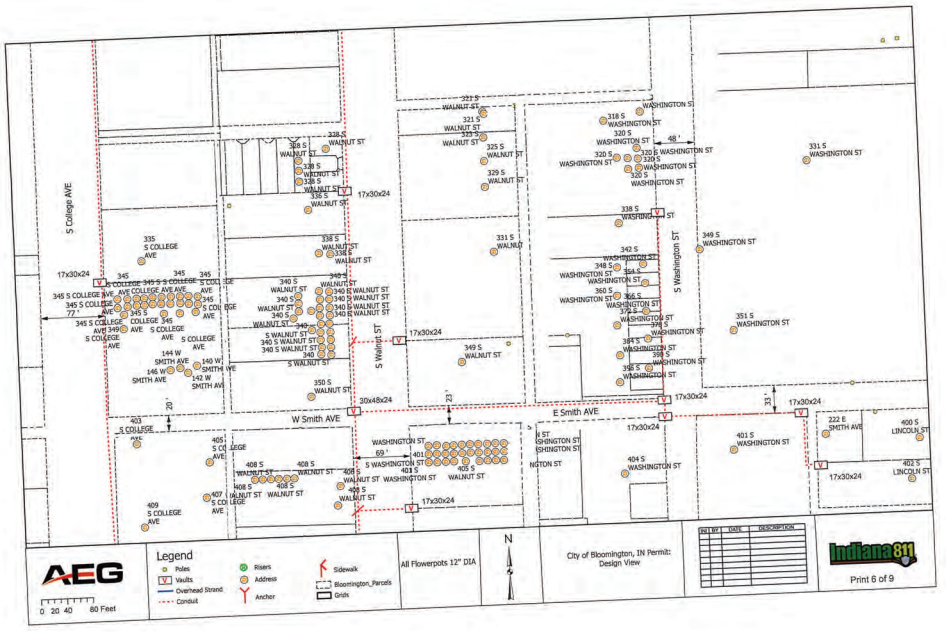
City of Bloomington, IN Permit: Design View
Indiana811
Print 8 of 9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City of Bloomington, IN Permit: Design View
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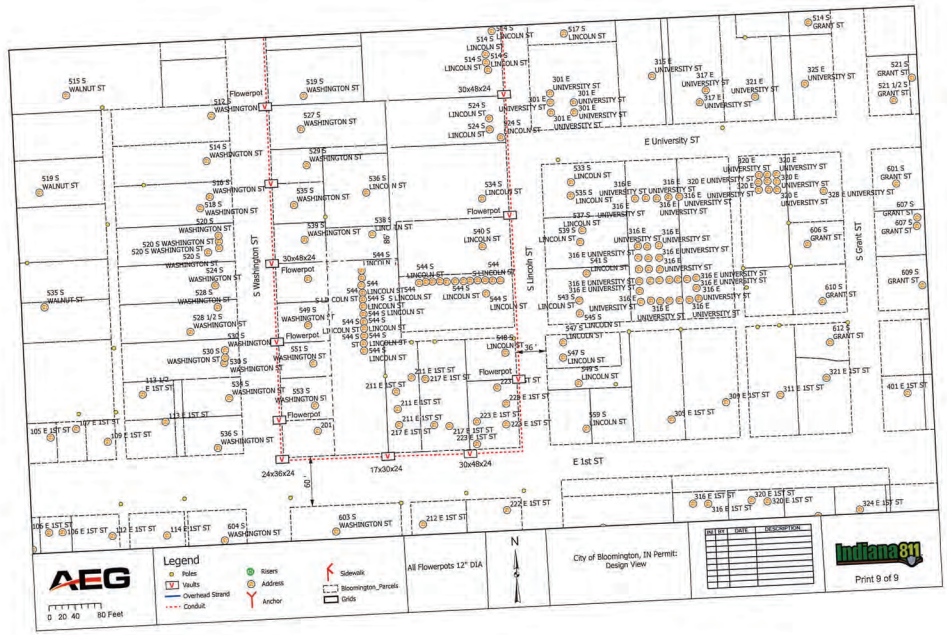
Print 6 of 9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City of Bloomington, IN Permit: Design View
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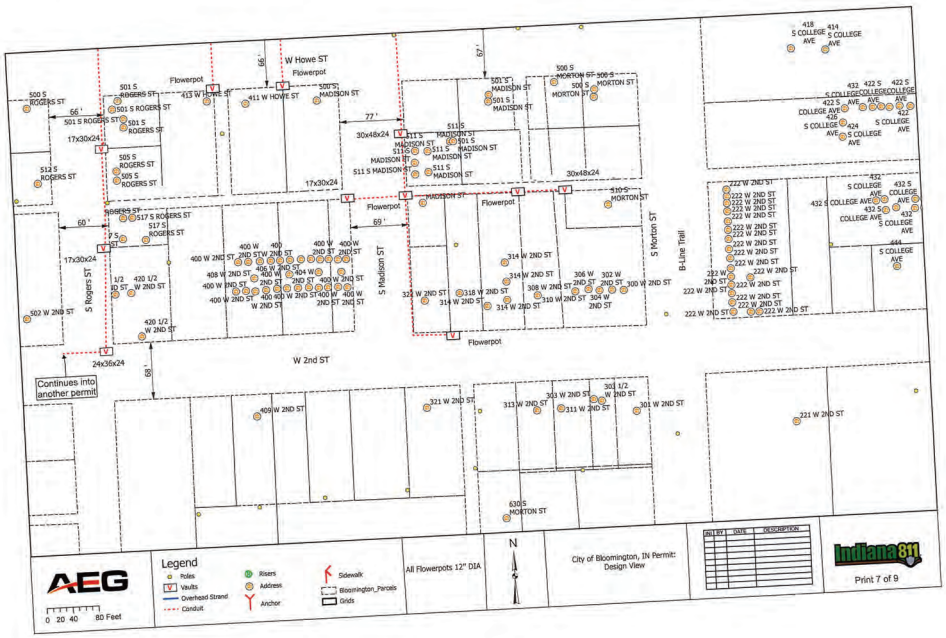
Print 9 of 9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S Rogers ST
S Madison ST
S Morton ST
B-Line Trail
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30x48x24
24x36x24
Continues into another permit
Legend
Poles
Vaults
Overhead Strand
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Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
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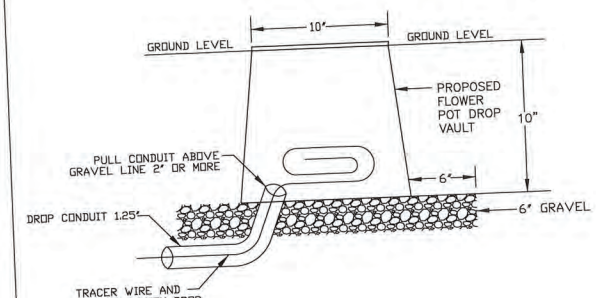
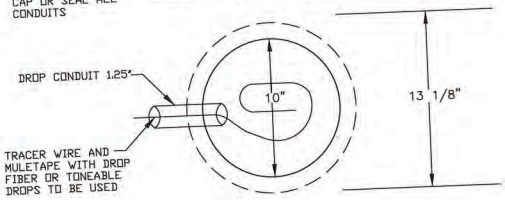
City of Bloomington, IN Permit: Design View
Indiana811
Print 7 of 9

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW



AEG

FLOWER POT

DATE: 02/02/2022
REVISION: CLM

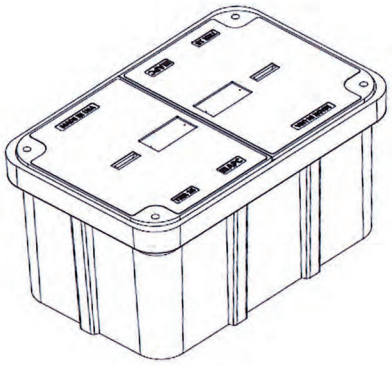
SCALE: NTS

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

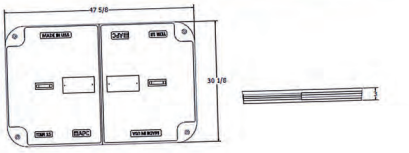
www.apcunderground.com

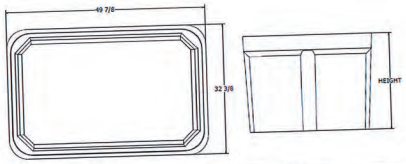
30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY





Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

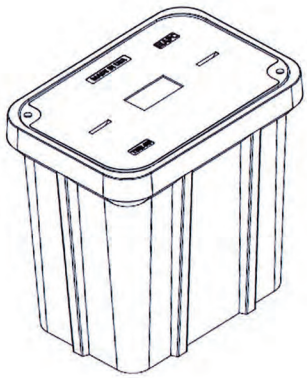
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

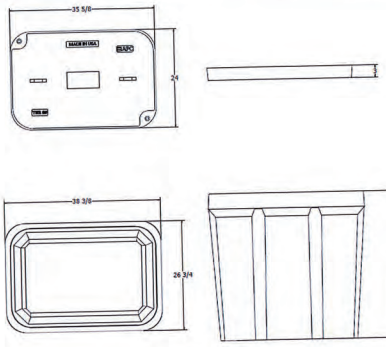
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids – T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

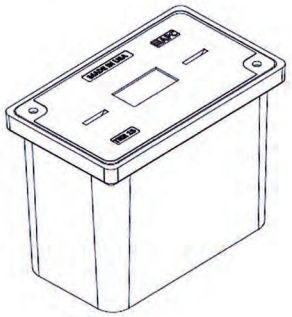
www.apcunderground.com

17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

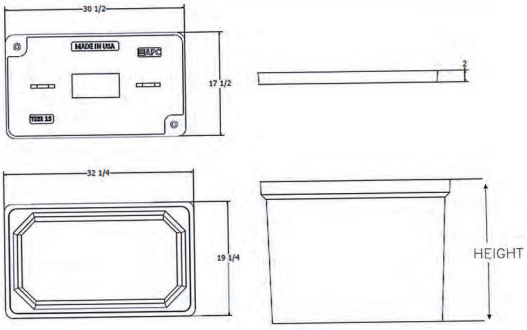
www.apcunderground.com

17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

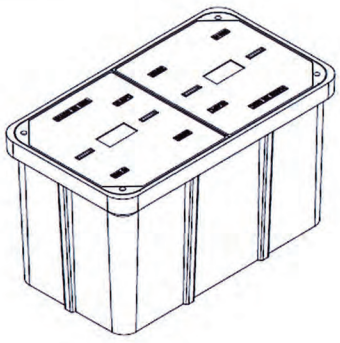
www.apcunderground.com

33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

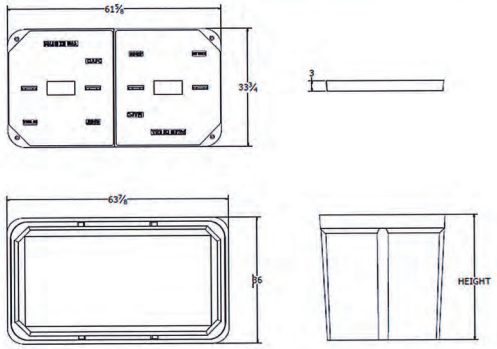
www.apcunderground.com

33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

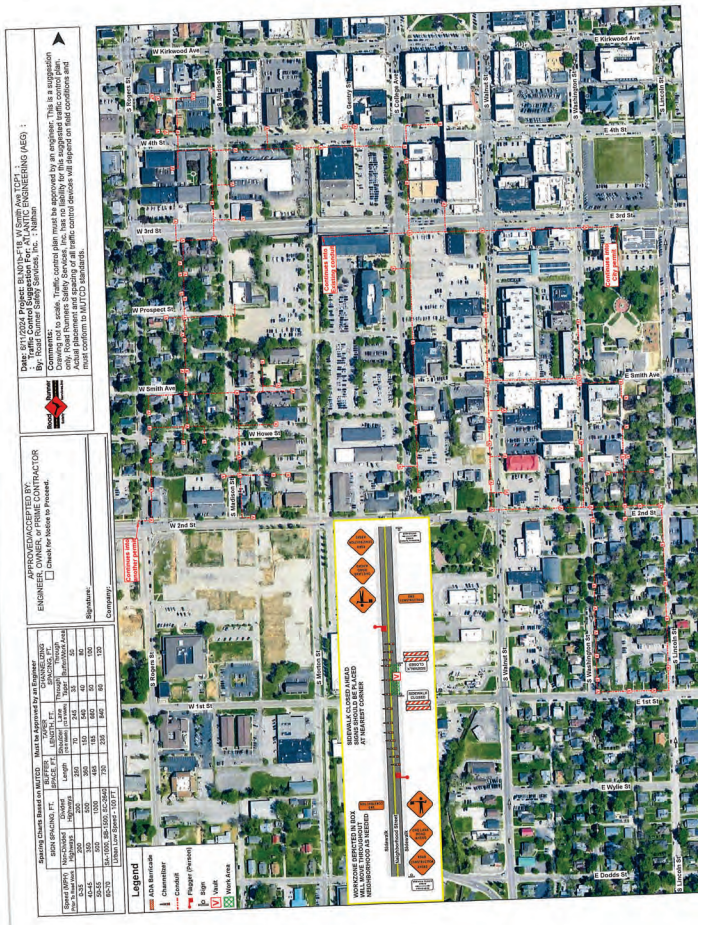
Penta Head

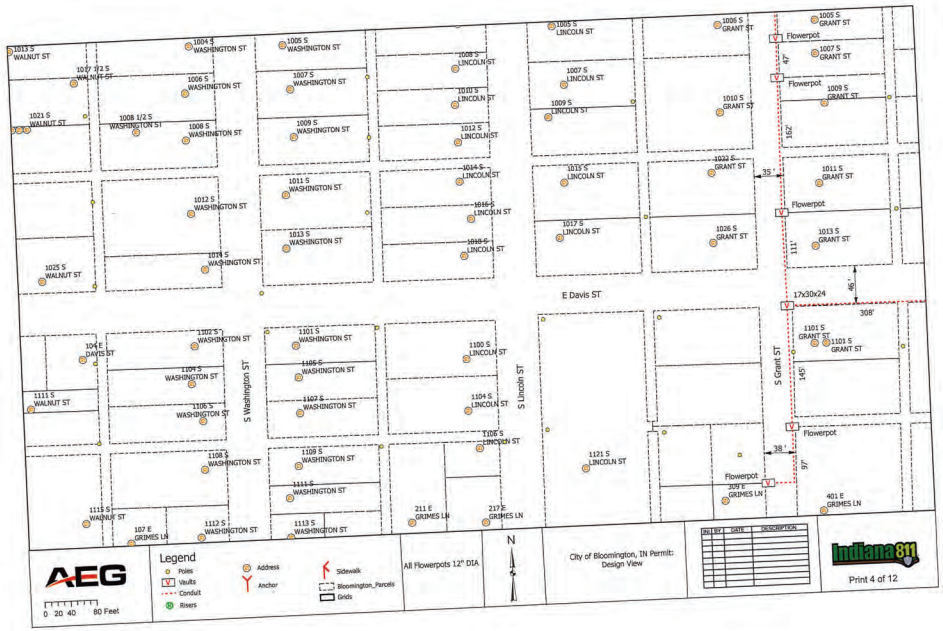
Machine Thread

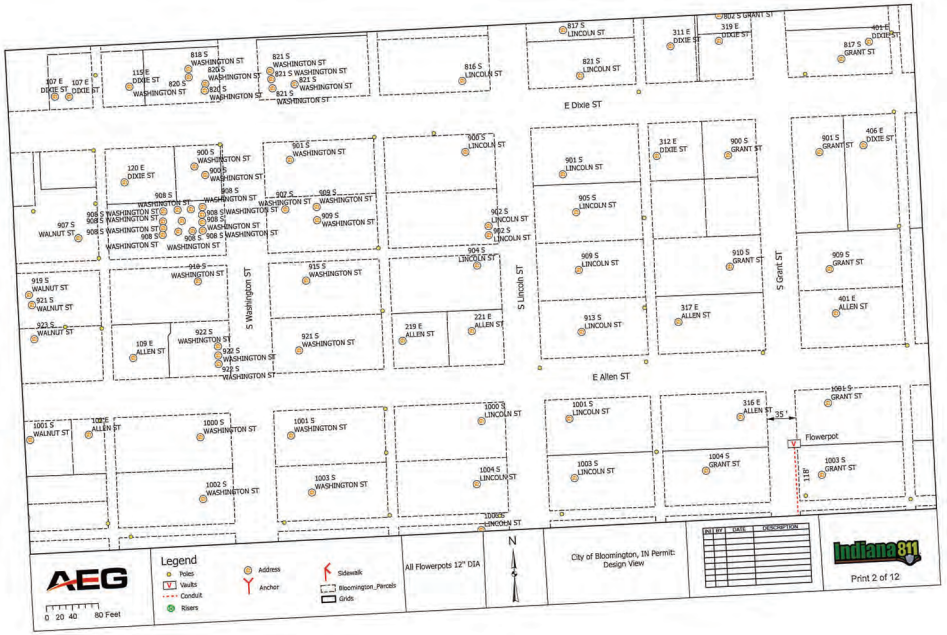
Auger Thread

PROUDLY MADE IN USA

www.apcunderground.com


Date: 6/11/2024 Project: BLN01b-FT8_W Smith Ave TCP1
Traffic Control Supervisor: Peter Mc ENGINEERING (AEG) :
By: Road Runner Safety Services, Inc. - Nathan
Comments:
Drawing is not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of traffic control devices will depend on field conditions and must conform to MUTCD standards.
APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
☐ Check for Notice to Proceed.
Signature:
Company:
Spacing Charts Based on MUTCD
Must be Approved by an Engineer
BUFFER LENGTH, FT.
SIGN SPACING, FT.
Speed (MPH) prior to zone
Non-Divided Highway
Divided Highway
Shoulder
Lane
Taper
Buffer/Work Area
X-30
30-45
45-50
50-55
55-70
SA-1000, SB-1000, SC-2640
Linear Line Spacing = 1.65 L
Legend
ADA Barricade
Channelizer
Conduit
Flagger (Permit)
Sign
Vault
Work Area
Existing Traffic Signal
Construction Limit
Existing Traffic Signal
SIDEWALK CLOSED AHEAD
ROAD WORK NEXT 500
SIDEWALK CLOSED
WORK ZONE
WORKZONE DIRECTION
MAINTAIN ACCESS TO ADJACENT NEIGHBORHOODS AS NEEDED
Sidewalk Closed
Detour
Sidewalk Closed
Ahead
Work Zone
Ahead
Sidewalk
Closed
Detour
Sidewalk
Closed
Ahead
Road
Work
Next
500
Feet
Work
Zone
Ahead


E Davis St
S Washington ST
S Lincoln ST
S Grant ST
17x30x24
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 4 of 12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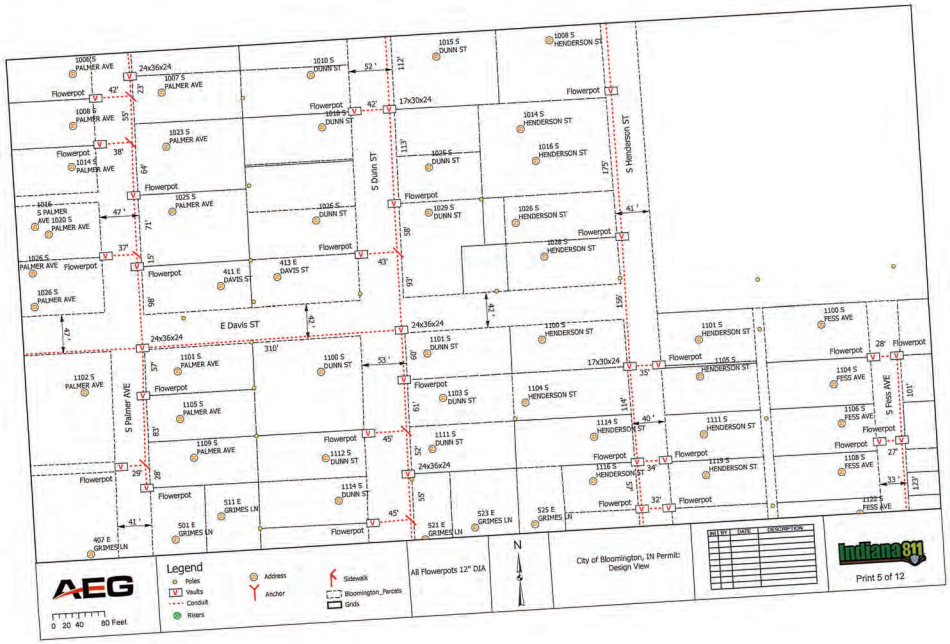
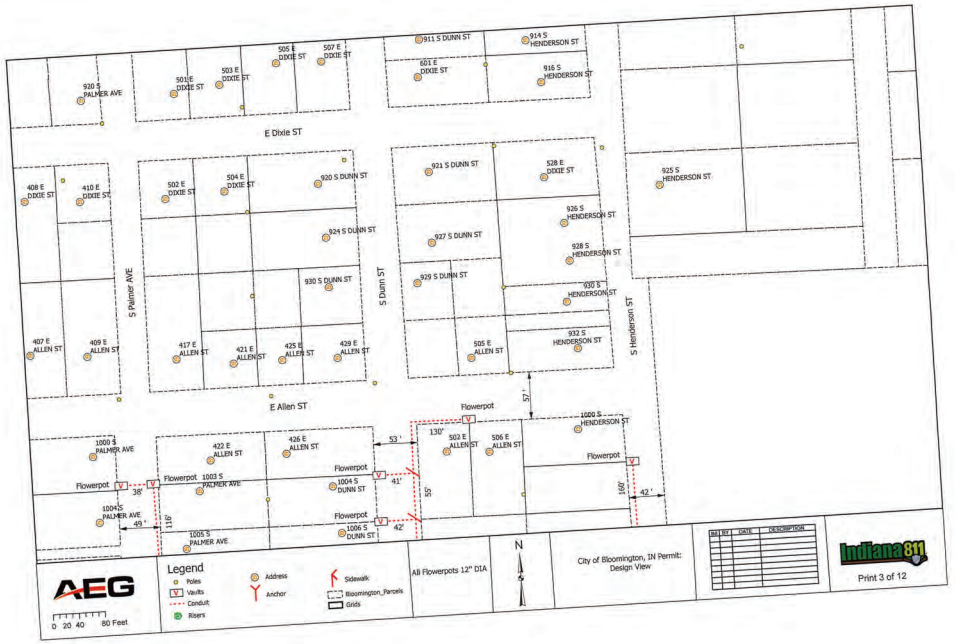
E Allen St
S Washington ST
S Lincoln ST
S Grant ST
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 2 of 12


E Davis St
S Palmer AVE
S Dunn ST
S Henderson ST
24x36x24
17x30x24
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 5 of 12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S Dunn ST
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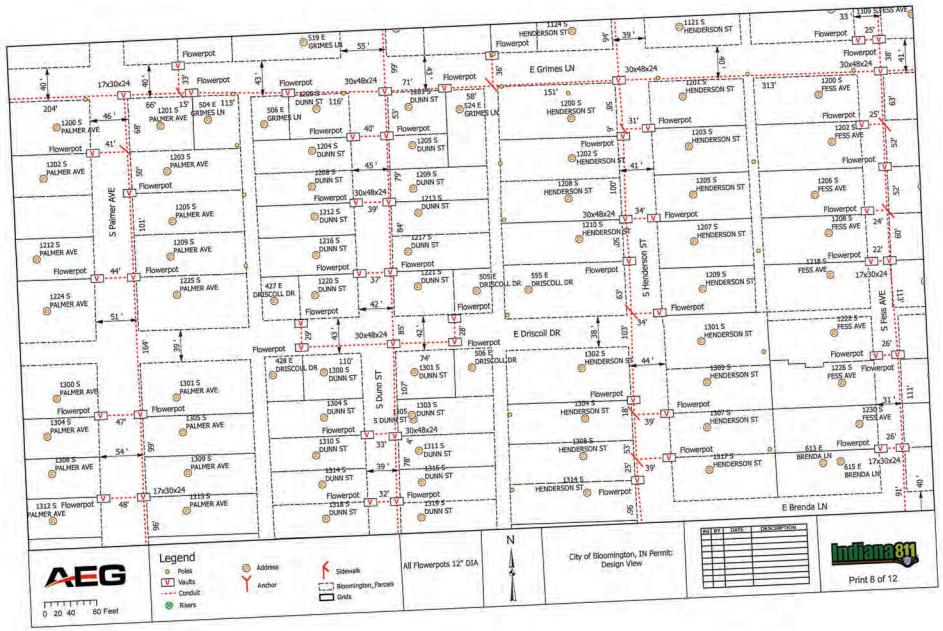
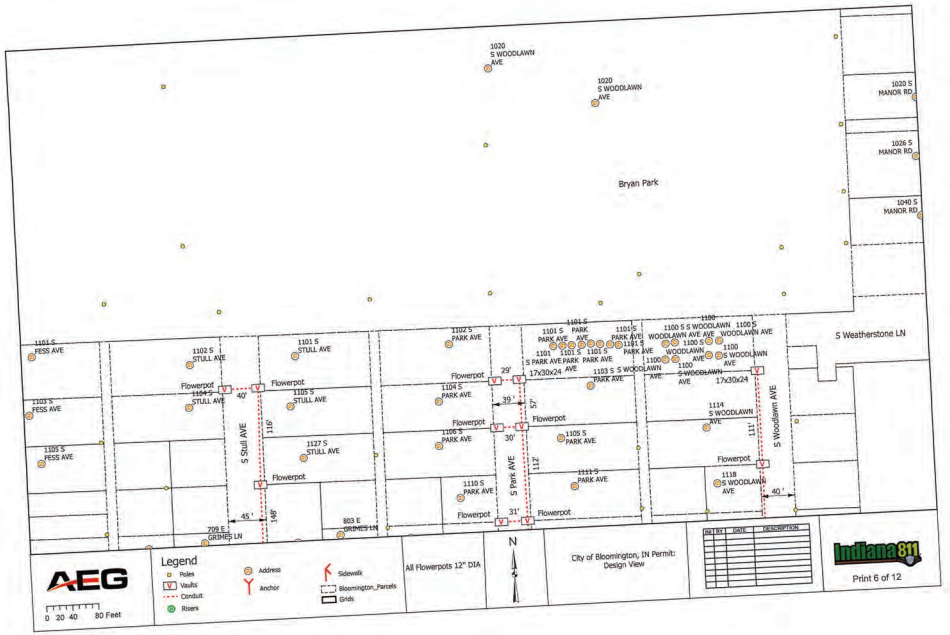
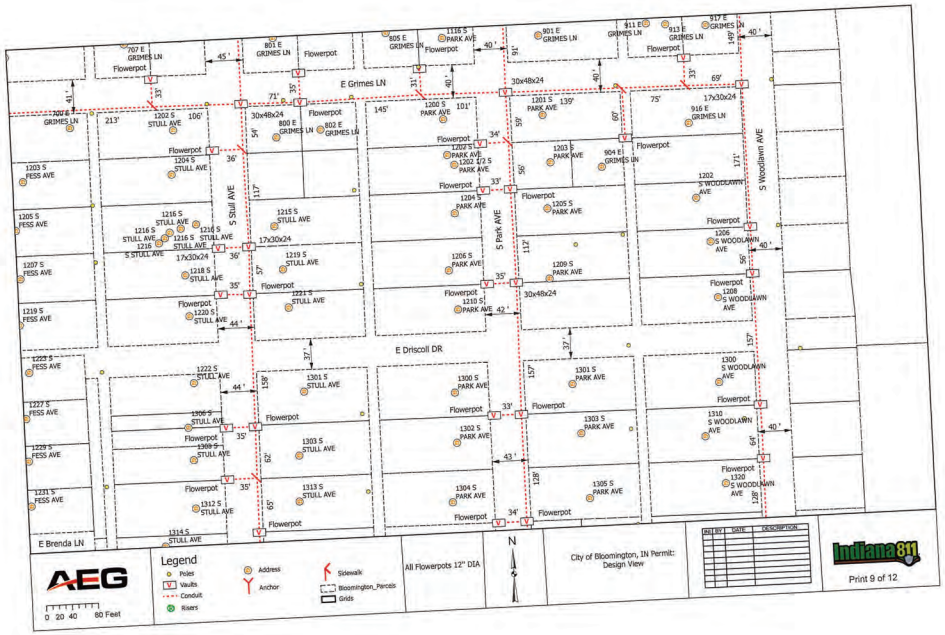
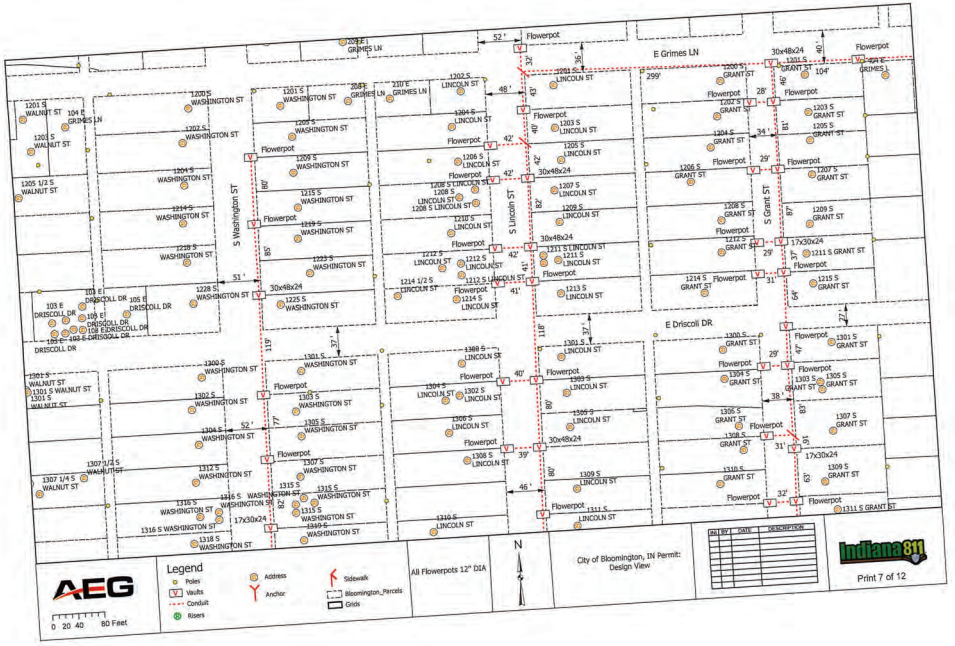
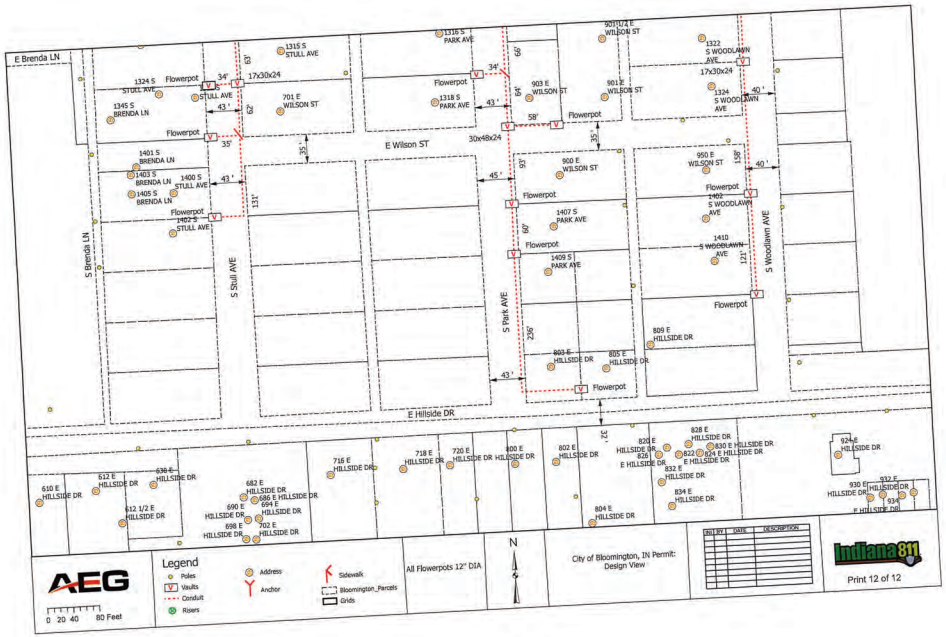
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 3 of 12

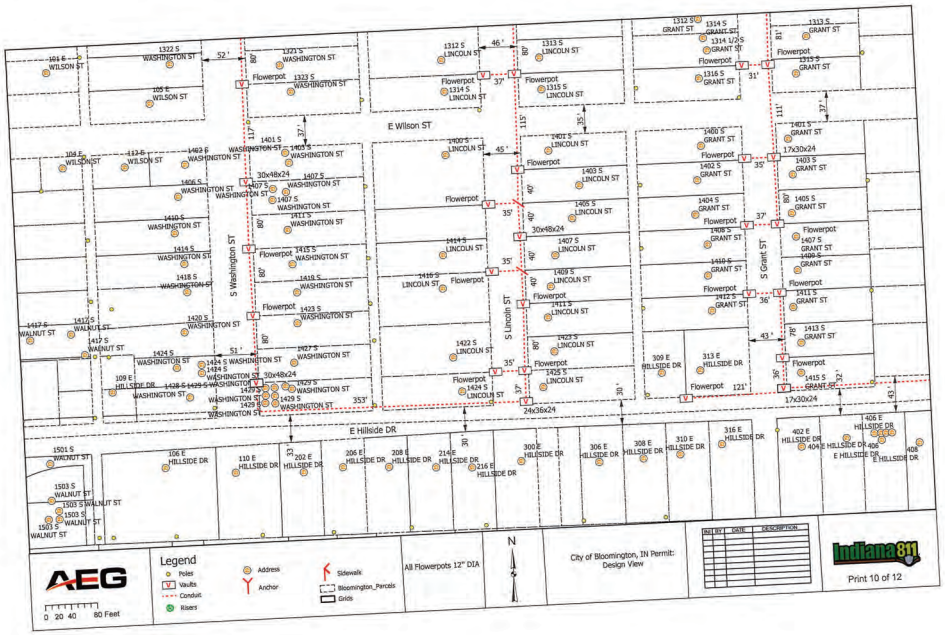

E Grimes LN
E Driscoll DR
E Brenda LN
S Palmer AVE
S Dunn ST
S Henderson ST
S Ross AVE
30x48x24
17x30x24
Flowerpot
Legend
Poles
Vaults
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 8 of 12

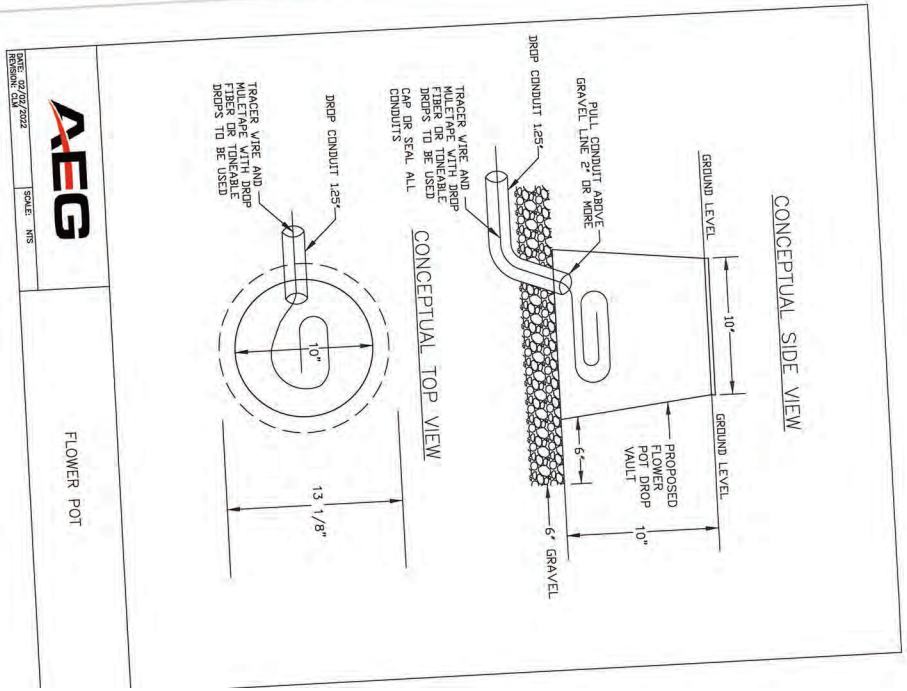

Bryan Park
S Weatherstone LN
S Woodlawn AVE
S Stull AVE
S Park AVE
Flowerpot
Legend
Poles
Vaults
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 6 of 12

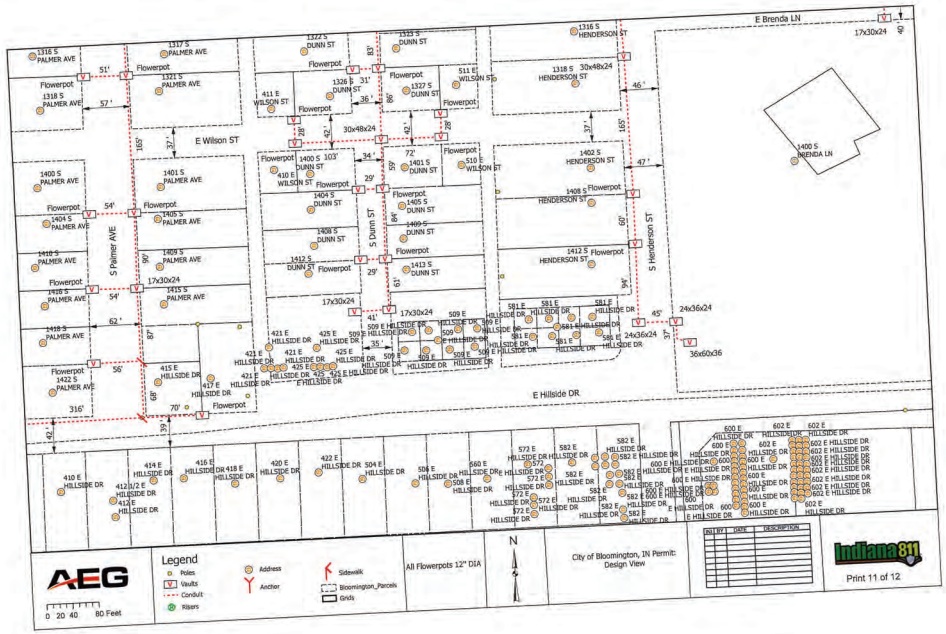

E Grimes LN
E Driscoll DR
E Brenda LN
S Stull AVE
S Park AVE
S Woodlawn AVE
30x48x24
17x30x24
Flowerpot
Legend
Poles
Vaults
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 9 of 12


E Grimes LN
E Driscoll DR
S Washington ST
S Lincoln ST
S Grant ST
30x48x24
Flowerpot
Legend
Poles
Vaults
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 7 of 12


E Brenda LN
E Wilson ST
E Hillside DR
S Stull AVE
S Park AVE
S Woodlawn AVE
S Rogers ST
AEG
Legend
Poles
Vaults
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana811
Print 12 of 12


E Wilson ST
E Hillside DR
S Washington ST
S Lincoln ST
S Grant ST
AEG
Legend
Poles
Vaults
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana811
Print 10 of 12


AEG
DATE: 02/02/2022
REVISION: CLM
SCALE: NTS
FLOWER POT
CONCEPTUAL TOP VIEW
DROP CONDUIT 1.25"
TRACER WIRE AND MULETAPE WITH DROP FIBER OR TONEABLE DROPS TO BE USED
CAP OR SEAL ALL CONDUITS
10"
13 1/8"
CONCEPTUAL SIDE VIEW
DROP CONDUIT 1.25"
PULL CONDUIT ABOVE GRAVEL LINE 2" DIA MORE
GROUND LEVEL
10"
6"
PROPOSED FLOWER POT DROP VAULT
6" GRAVEL

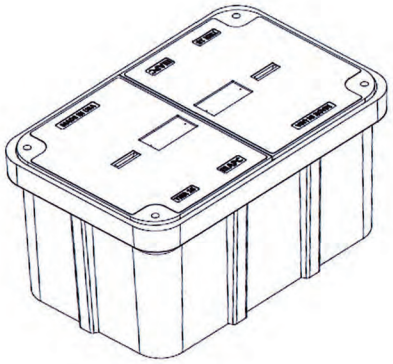

E Brenda LN
E Wilson ST
E Hillside DR
S Palmer AVE
S Dunn ST
S Henderson ST
AEG
Legend
Poles
Vaults
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana811
Print 11 of 12

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

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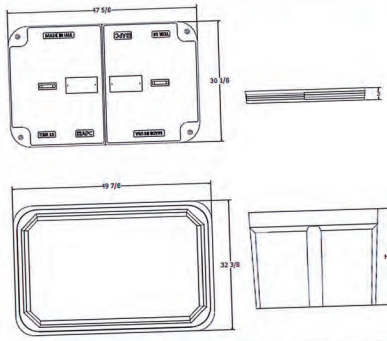
30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

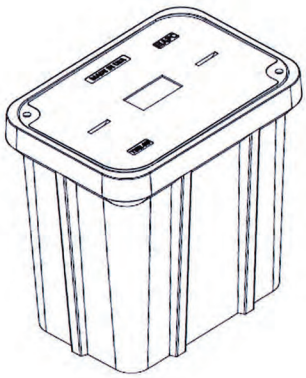
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

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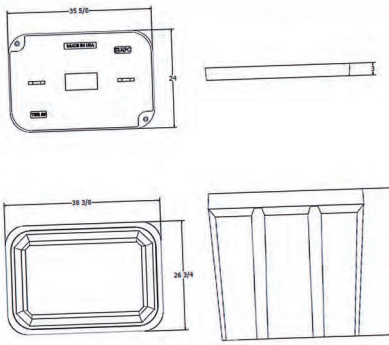
24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids – T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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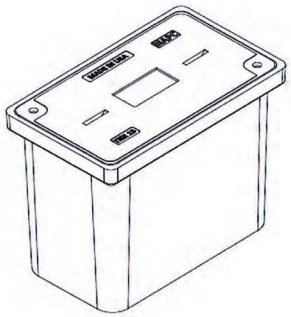
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

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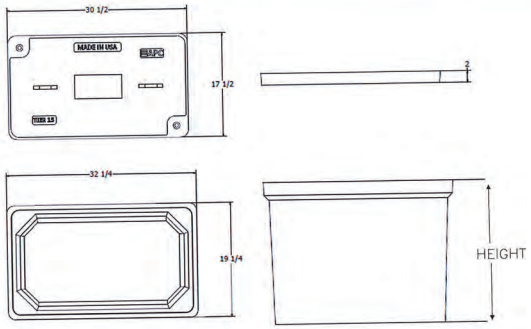
17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

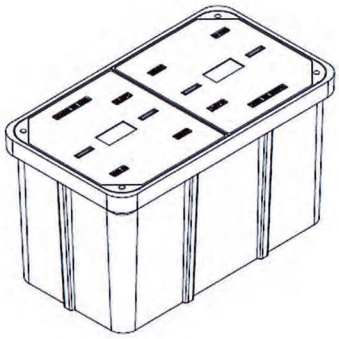
www.apcunderground.com

33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

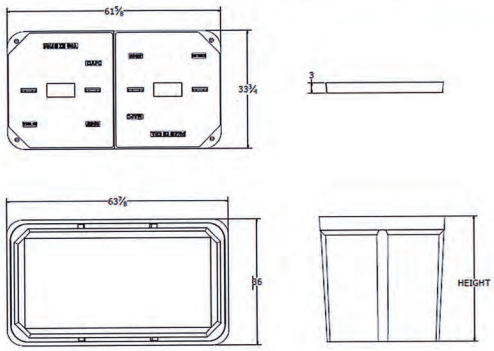
www.apcunderground.com

33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

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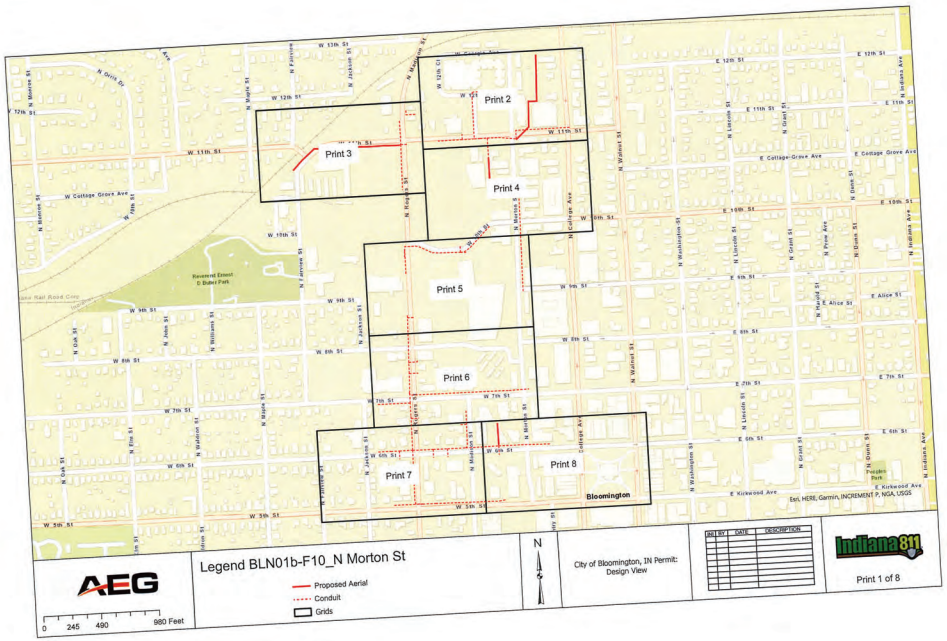
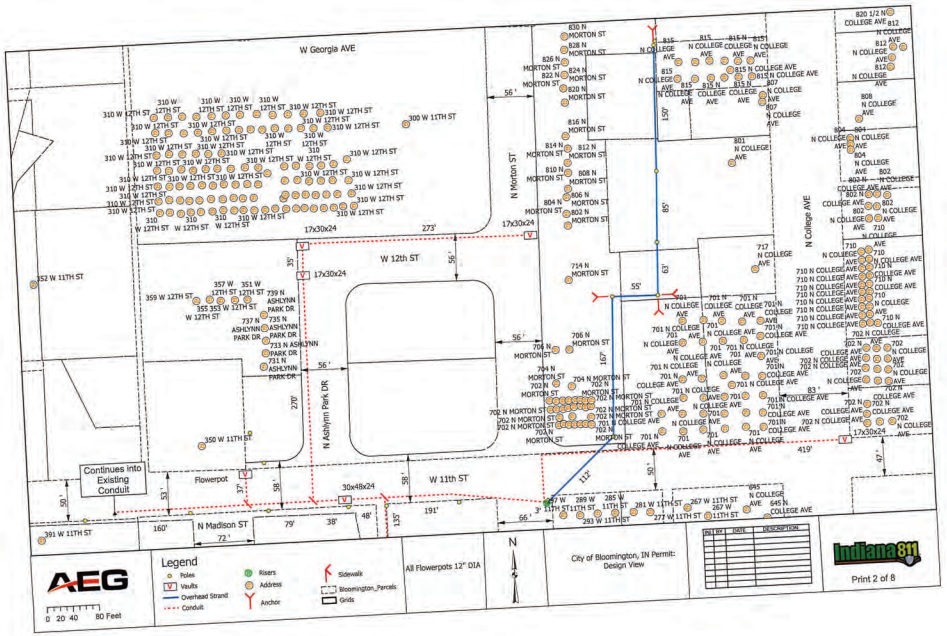


Spacing Charts Based on MUTCD — Must be Approved by an Engineer							
Speed (MPH) Prior To Road Work	SIGN SPACING, FT.		BUFFER SPACE, FT.	TAPER LENGTH, FT.		CHANNELIZING SPACING, FT.	
	Non-Divided Highways	Divided Highways	Length	Shoulder/ (10 ft Width)	Lane (12 ft Width)	Through Taper	Through Buffer/Work Area
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	155	660	50	100
60-70	SA-1500, SB-1500, SC-2640		730	235	840	60	120
	Urban Low Speed - 100 FT						

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
☐ Check for Notice to Proceed.
Signature:
Company:

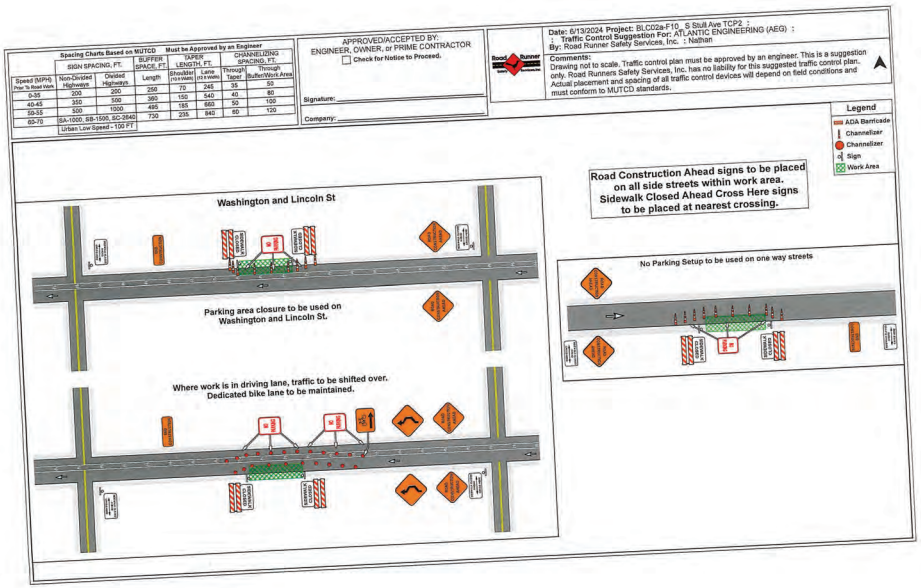
Date: 6/13/2024 **Project:** BLC02a-F10_ S Stull Ave_ :
: **Traffic Control Suggestion For:** ATLANTIC ENGINEERING (AEG) :
By: Road Runner Safety Services, Inc. : Nathan
Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.

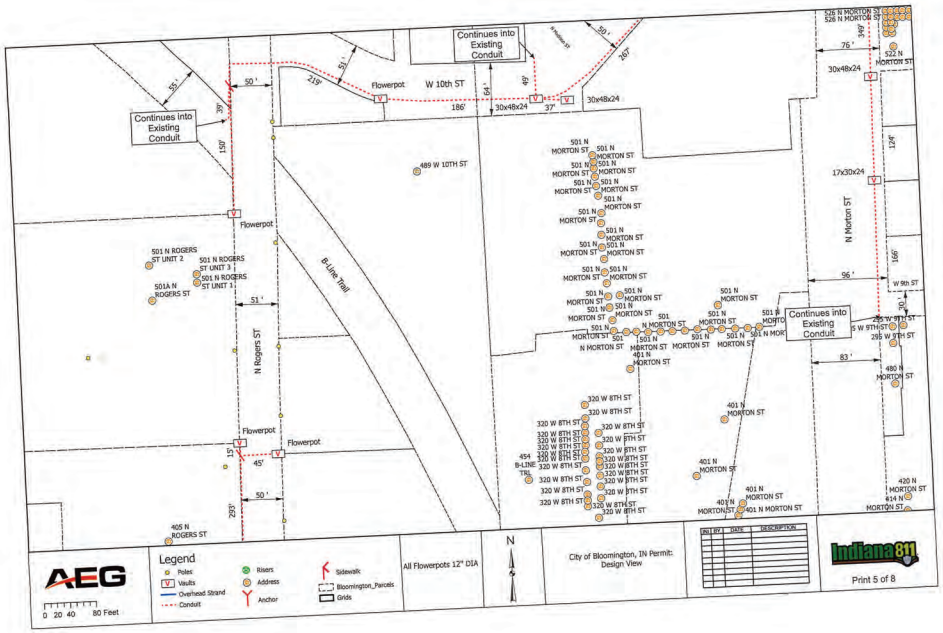


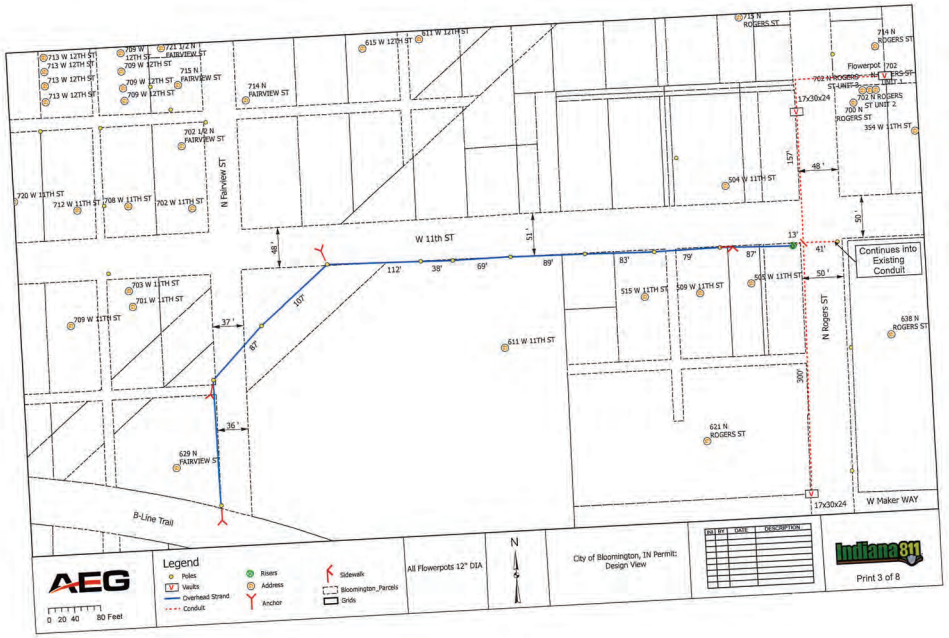
Spacing Charts Based on MUTCD — Must be Approved by an Engineer							
Speed (MPH) Prior To Road Work	SIGN SPACING, FT.		BUFFER SPACE, FT.	TAPER LENGTH, FT.		CHANNELIZING SPACING, FT.	
	Non-Divided Highways	Divided Highways	Length	Shoulder/ (10 ft Width)	Lane (12 ft Width)	Through Taper	Through Buffer/Work Area
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1500, SB-1500, SC-2640		730	235	840	60	120
	Urban Low Speed - 100 FT						

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
☐ Check for Notice to Proceed.
Signature:
Company:

Date: 6/13/2024 **Project:** BLC02a-F10_ S Stull Ave TCP2_ :
: **Traffic Control Suggestion For:** ATLANTIC ENGINEERING (AEG) :
By: Road Runner Safety Services, Inc. : Nathan
Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.




Continues into Existing Conduit
Flowerpot
W 10th ST
30x48x24
17x30x24
N Morton ST
N Rogers ST
B-Line Trail
W 9th ST
W 8th ST
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 5 of 8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N Fairview ST
N Rogers ST
B-Line Trail
Continues into Existing Conduit
W Maker WAY
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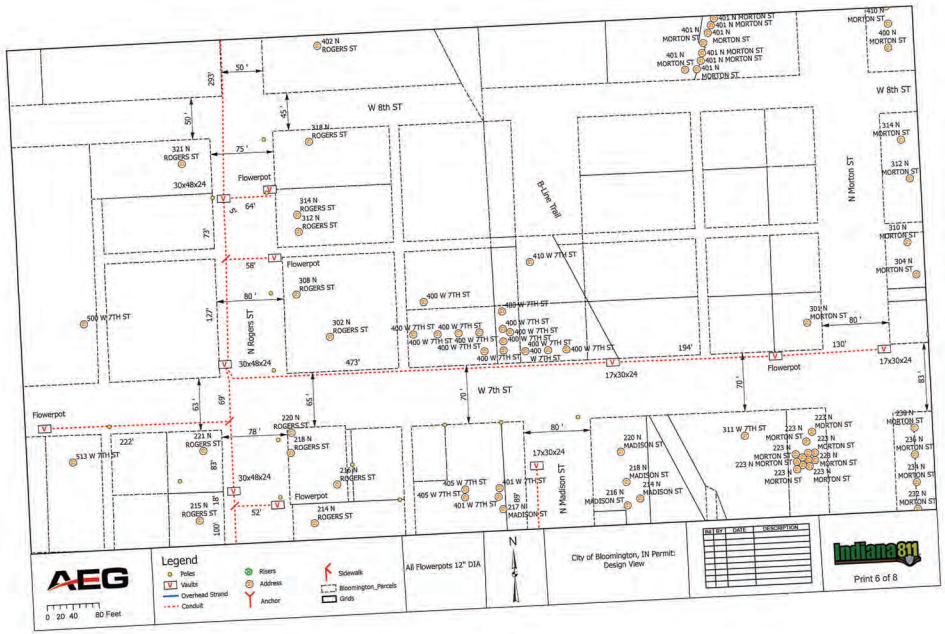
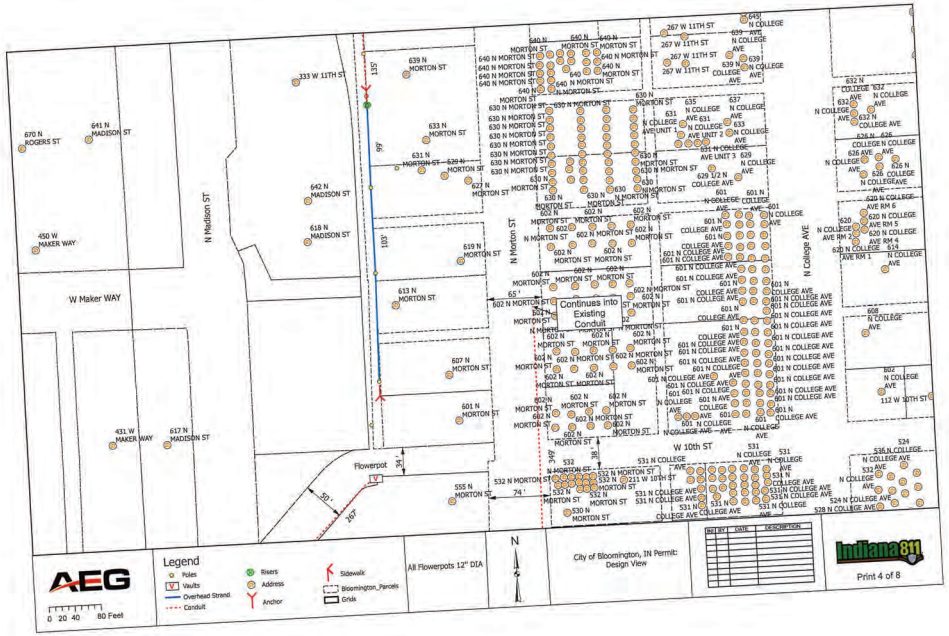
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 3 of 8


W 8th ST
W 7th ST
N Rogers ST
N Morton ST
B-Line Trail
Flowerpot
30x48x24
17x30x24
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 6 of 8


N Madison ST
N Morton ST
N College AVE
W Maker WAY
W 10th ST
Continues into Existing Conduit
Flowerpot
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Indiana 811
Print 4 of 8

PV-Mold®

RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Standard Duty

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Actual Impact @ 0°C 20 Pound Tup
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

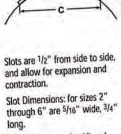
Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.

Flanged Overall Length 10 Feet, Including Bell



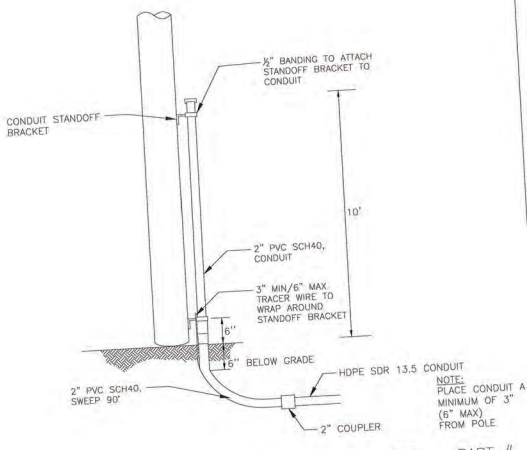
Size	Depth of Bell
1"	2 - 2 1/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		

AEG

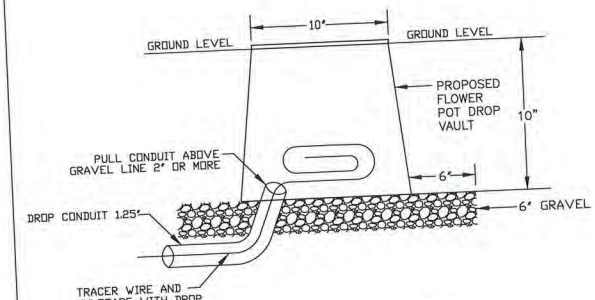
TYPICAL RISER CONDUIT WOOD POLE

(R2-W)

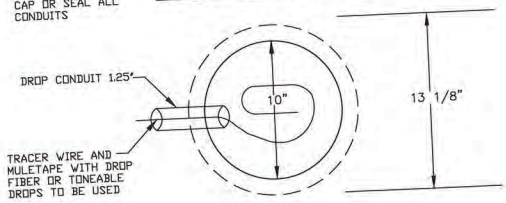
DATE: 02/03/2022
REVISION: CLM

SCALE: NTS

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW



AEG

FLOWER POT

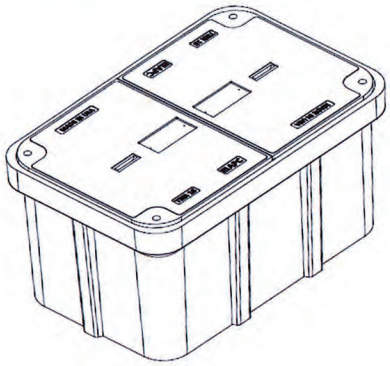
DATE: 02/02/2022
REVISION: CLM

SCALE: NTS

30"x48" PC UNIT, 2PC TIER 15/22
18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

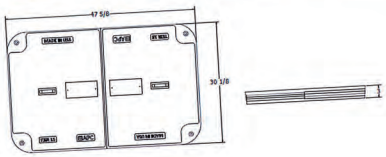
PROUDLY MADE IN USA

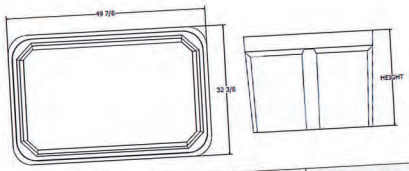
www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22
18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY





Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

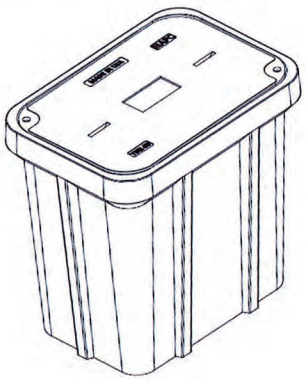
PROUDLY MADE IN USA

www.apcunderground.com

24"x36" PC UNIT, TIER 15/22
18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

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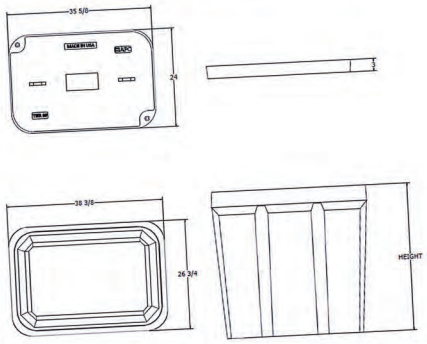
24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids - T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids - T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

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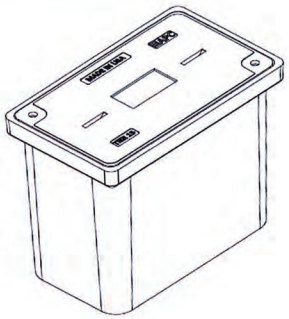

Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit - TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit - TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit - TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit - TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit - TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit - TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit - TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

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17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

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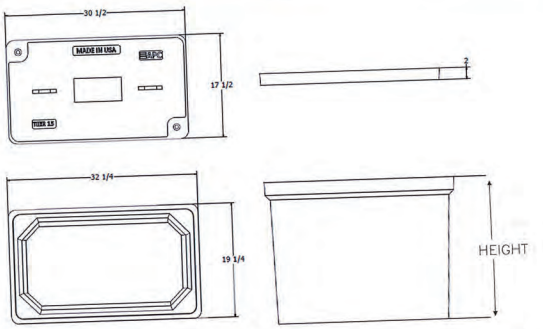

Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids - T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids - T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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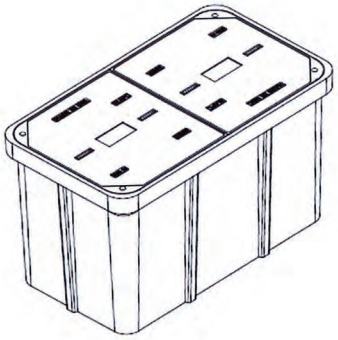
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	33"x60"x36"	Tier 15	P336036U15...	930 lbs.
PC Unit - TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

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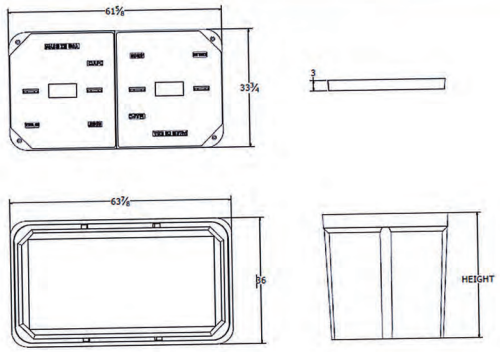
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids - T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids - T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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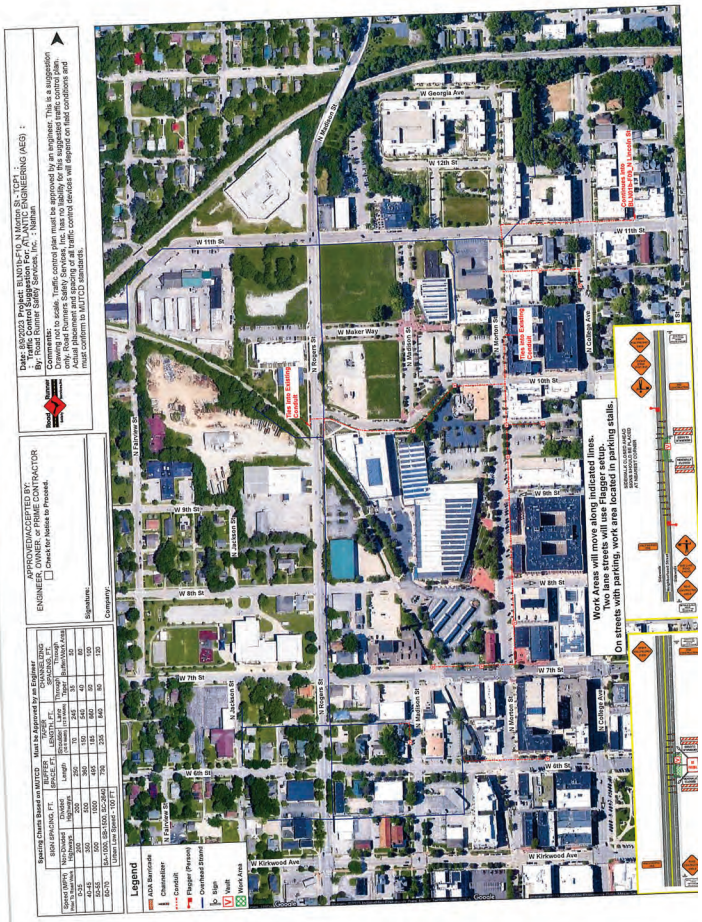
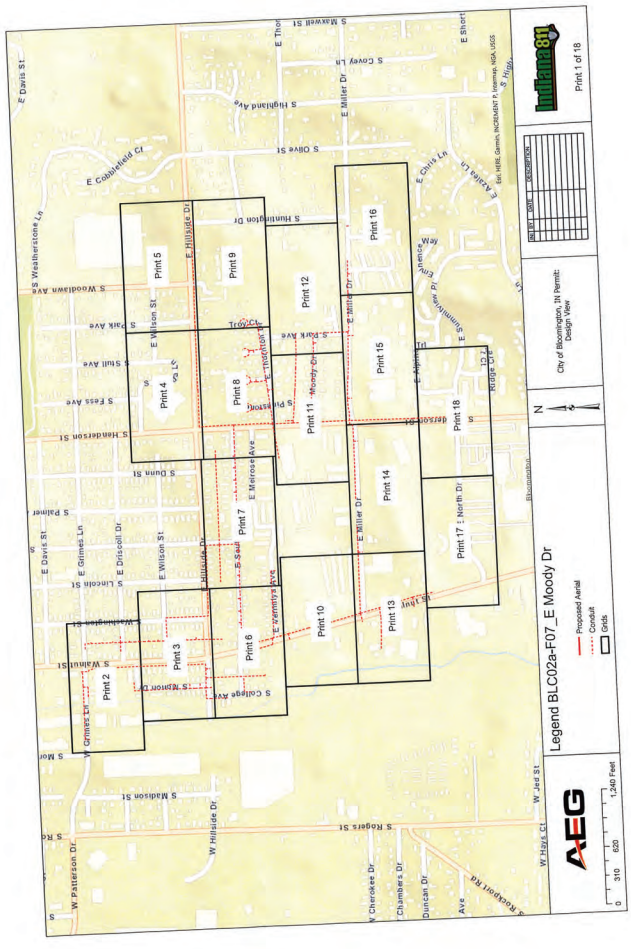
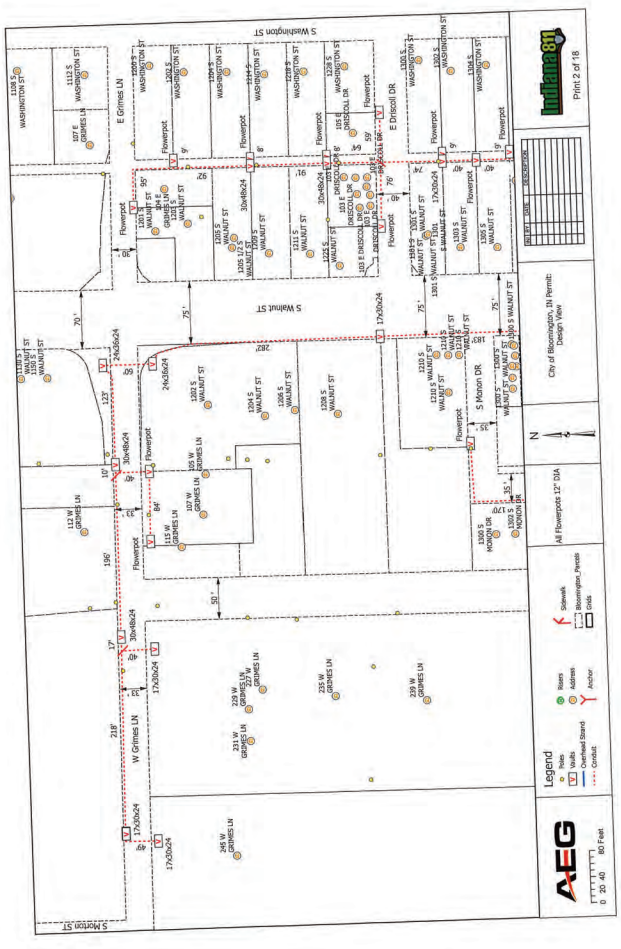
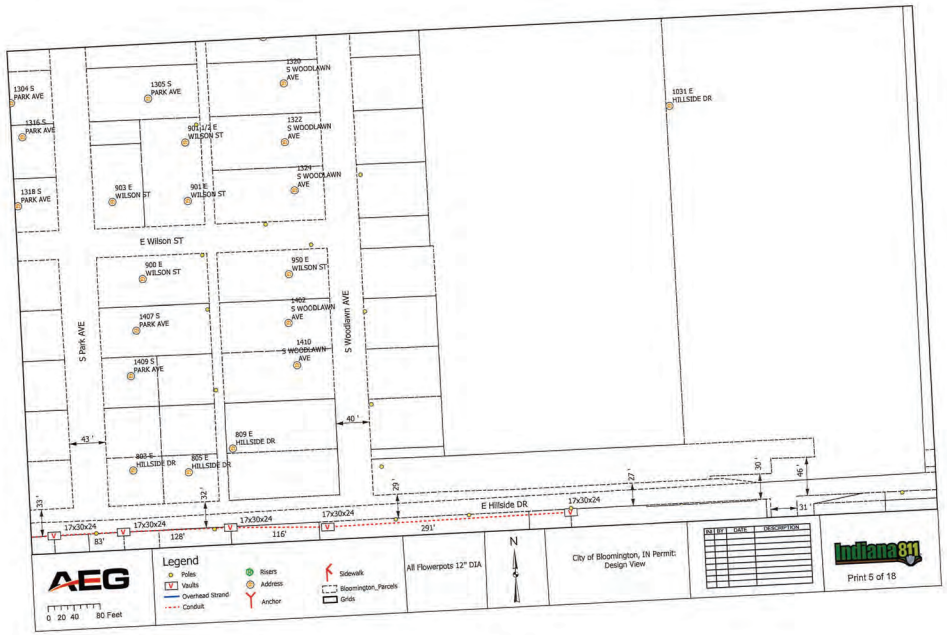
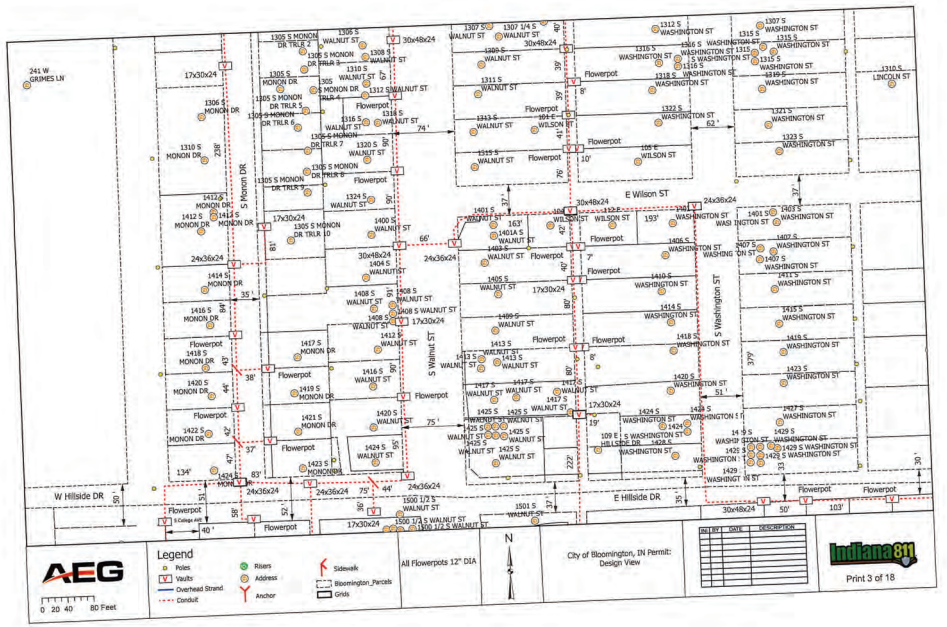
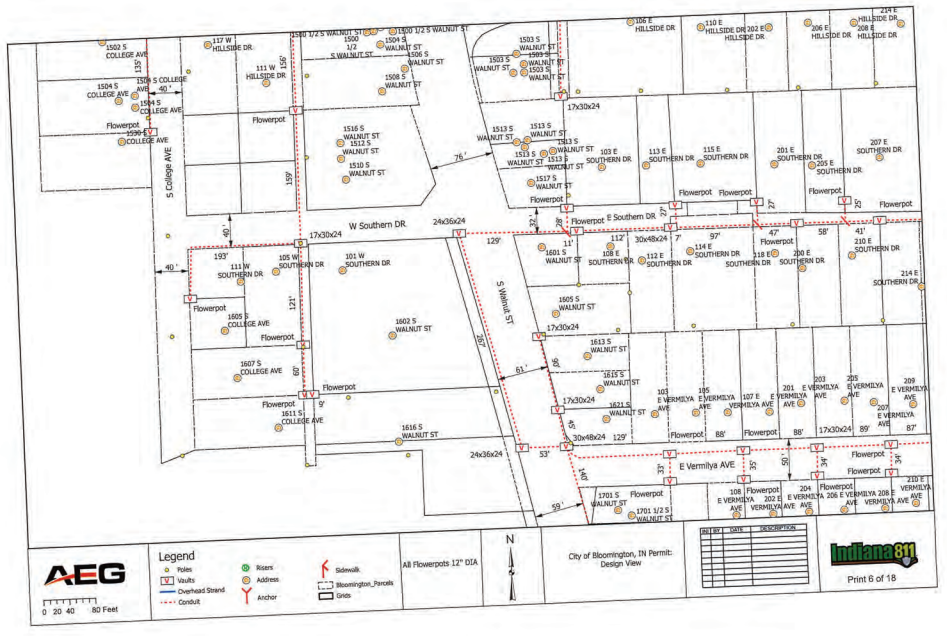







E Wilson ST
S Park AVE
S Woodlawn AVE
E Hillside DR
1031 E HILLSIDE DR
1320 S WOODLAWN AVE
1322 S WOODLAWN AVE
1324 S WOODLAWN AVE
1304 S PARK AVE
1305 S PARK AVE
1316 S PARK AVE
1318 S PARK AVE
903 E WILSON ST
901 1/2 E WILSON ST
901 E WILSON ST
900 E WILSON ST
950 E WILSON ST
1402 S WOODLAWN AVE
1410 S WOODLAWN AVE
1407 S PARK AVE
1408 S PARK AVE
809 E HILLSIDE DR
803 E HILLSIDE DR
805 E HILLSIDE DR
17x30x24
24x36x24
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 5 of 18
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet


E Wilson ST
E Hillside DR
W Hillside DR
S Monon DR
S Walnut ST
S Washington ST
241 W GRIMES LN
1310 S LINCOLN ST
17x30x24
24x36x24
30x48x24
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 3 of 18
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet


W Southern DR
E Southern DR
E Vermilya AVE
S College AVE
S Walnut ST
1502 S COLLEGE AVE
1504 S COLLEGE AVE
1506 S COLLEGE AVE
1508 S COLLEGE AVE
1500 1/2 S WALNUT ST
1503 S WALNUT ST
1505 S WALNUT ST
1506 S WALNUT ST
1508 S WALNUT ST
1510 S WALNUT ST
1512 S WALNUT ST
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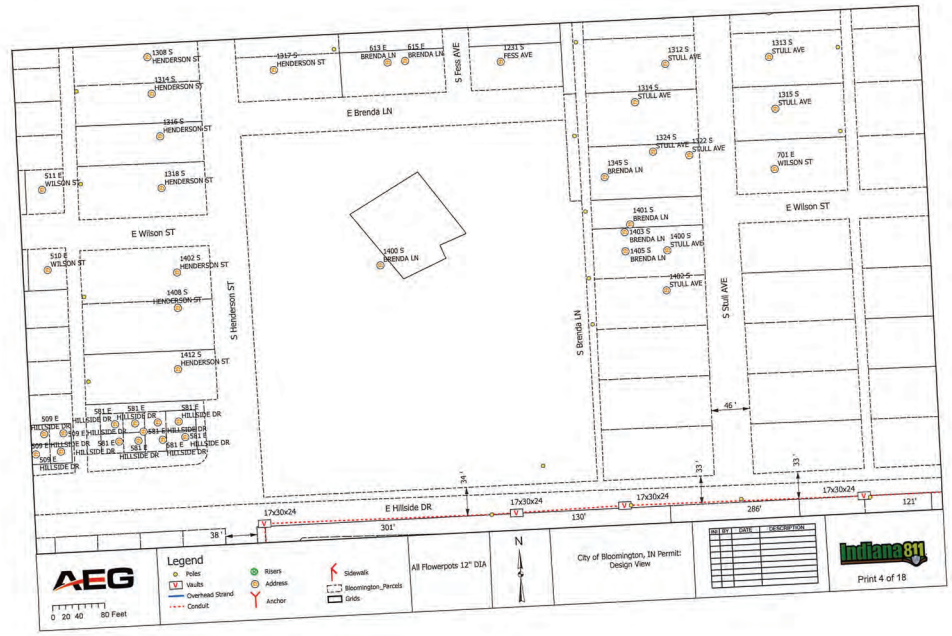
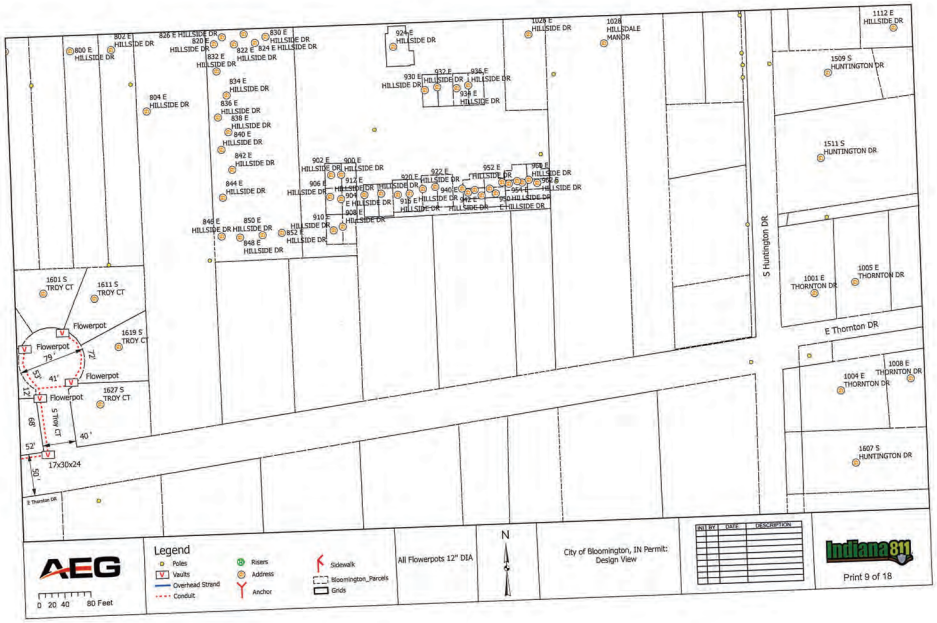
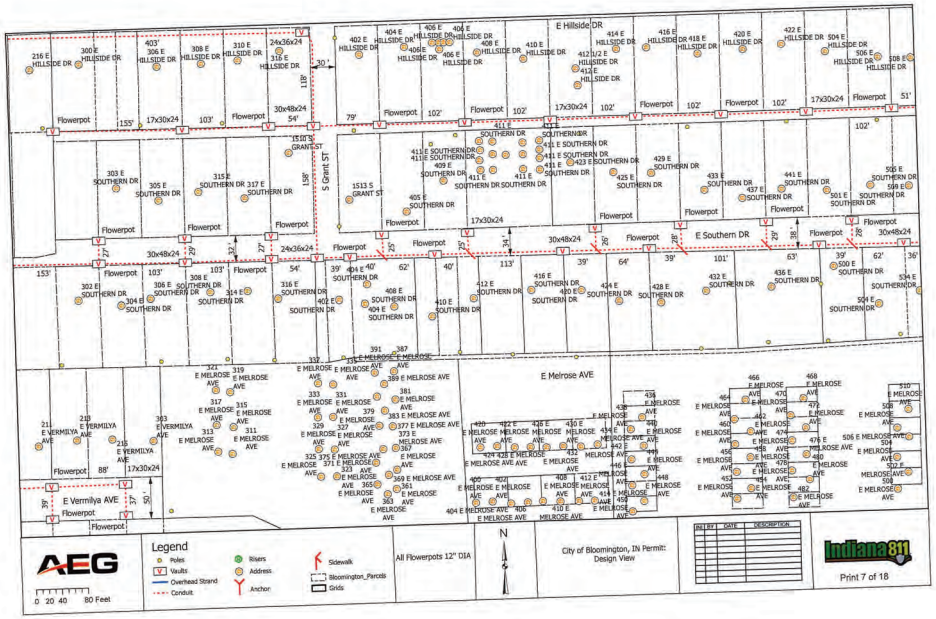
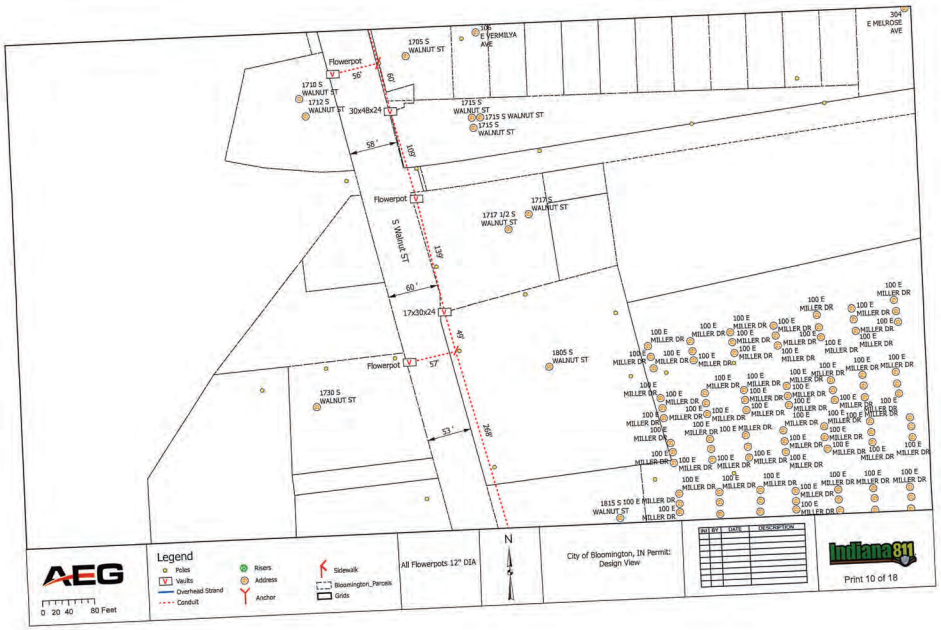
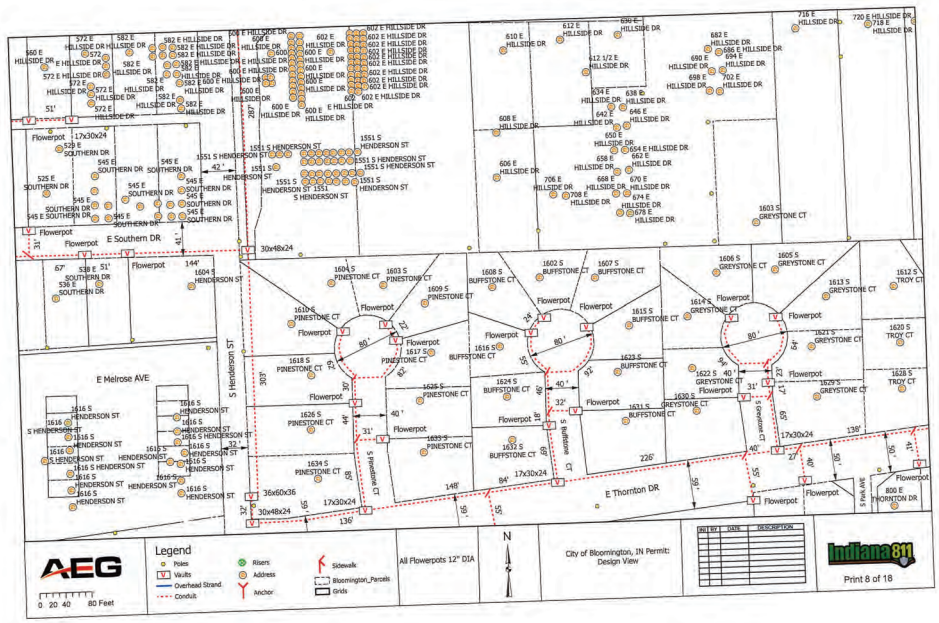
1517 S WALNUT ST
1601 S WALNUT ST
1602 S WALNUT ST
1605 S WALNUT ST
1607 S COLLEGE AVE
1611 S COLLEGE AVE
1613 S WALNUT ST
1616 S WALNUT ST
1621 S WALNUT ST
1701 S WALNUT ST
1701 1/2 S WALNUT ST
17x30x24
24x36x24
30x48x24
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 6 of 18
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet

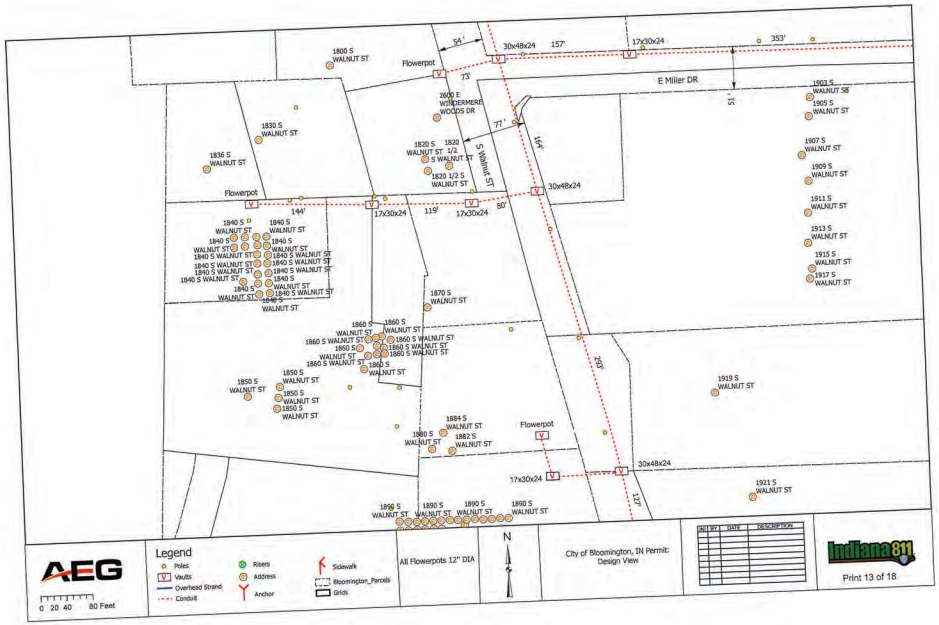

E Brenda LN
E Wilson ST
E Hillside DR
S Henderson ST
S Brenda LN
S Stull AVE
S Fess AVE
1400 S BRENDA LN
1308 S HENDERSON ST
1314 S HENDERSON ST
1316 S HENDERSON ST
1318 S HENDERSON ST
1402 S HENDERSON ST
1408 S HENDERSON ST
1412 S HENDERSON ST
1312 S STULL AVE
1314 S STULL AVE
1315 S STULL AVE
1324 S STULL AVE
1322 S STULL AVE
1345 S BRENDA LN
1401 S BRENDA LN
1403 S BRENDA LN
1405 S BRENDA LN
1400 S STULL AVE
1402 S STULL AVE
701 E WILSON ST
511 E WILSON ST
510 E WILSON ST
17x30x24
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 4 of 18
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet

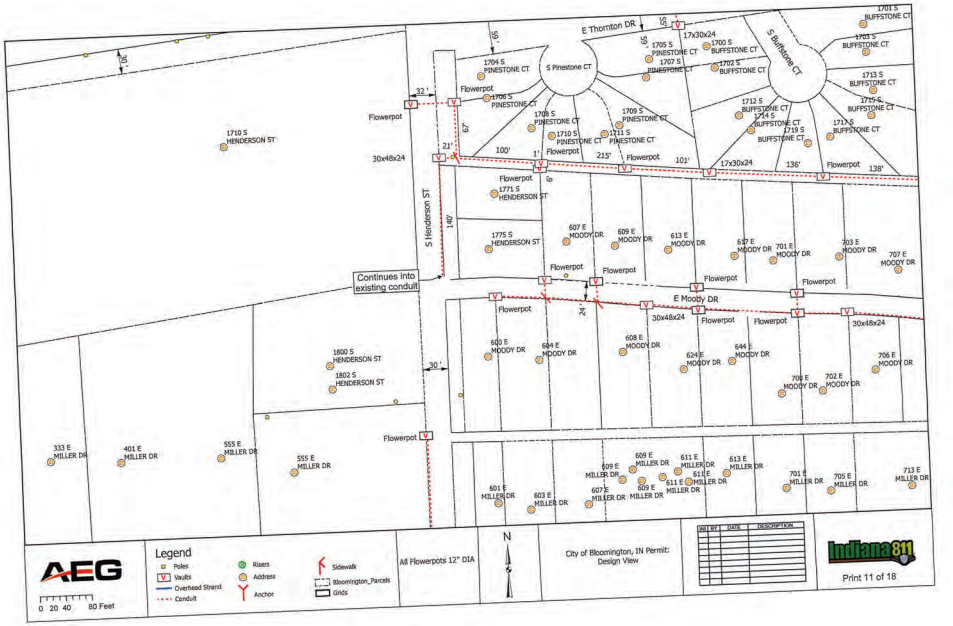







S Henderson ST
E Melrose AVE
E Southern DR
E Thornton DR
1551 S HENDERSON ST
1603 S GREYSTONE CT
1604 S PINESTONE CT
1603 S PINESTONE CT
1609 S PINESTONE CT
1610 S PINESTONE CT
1618 S PINESTONE CT
1626 S PINESTONE CT
1634 S PINESTONE CT
1633 S PINESTONE CT
1625 S PINESTONE CT
1617 S PINESTONE CT
1602 S BUFFSTONE CT
1607 S BUFFSTONE CT
1608 S BUFFSTONE CT
1616 S BUFFSTONE CT
1615 S BUFFSTONE CT
1623 S BUFFSTONE CT
1624 S BUFFSTONE CT
1631 S BUFFSTONE CT
1632 S BUFFSTONE CT
1606 S GREYSTONE CT
1605 S GREYSTONE CT
1613 S GREYSTONE CT
1614 S GREYSTONE CT
1622 S GREYSTONE CT
1621 S GREYSTONE CT
1629 S GREYSTONE CT
1630 S GREYSTONE CT
1612 S TROY CT
1620 S TROY CT
1628 S TROY CT
1616 S HENDERSON ST
1618 S HENDERSON ST
1626 S HENDERSON ST
1634 S HENDERSON ST
1633 S HENDERSON ST
1625 S HENDERSON ST
1617 S HENDERSON ST
1624 S HENDERSON ST
1632 S HENDERSON ST
1631 S HENDERSON ST
1623 S HENDERSON ST
1615 S HENDERSON ST
1607 S HENDERSON ST
1608 S HENDERSON ST
1600 S HENDERSON ST
1602 S HENDERSON ST
1609 S HENDERSON ST
1610


1800 S WALNUT ST
Flowerpot
54'
30x48x24
157'
17x30x24
353'
E Miller DR
2600 E WINDERMERE WOODS DR
1830 S WALNUT ST
1836 S WALNUT ST
1820 S WALNUT ST
1820 1/2 S WALNUT ST
S Walnut ST
77'
164'
30x48x24
1903 S WALNUT ST
1905 S WALNUT ST
1907 S WALNUT ST
1909 S WALNUT ST
1911 S WALNUT ST
1913 S WALNUT ST
1915 S WALNUT ST
1917 S WALNUT ST
144'
17x30x24
119'
17x30x24
80'
1840 S WALNUT ST
1870 S WALNUT ST
1860 S WALNUT ST
1850 S WALNUT ST
1919 S WALNUT ST
1884 S WALNUT ST
1880 S WALNUT ST
1882 S WALNUT ST
Flowerpot
30x48x24
17x30x24
127'
1921 S WALNUT ST
1890 S WALNUT ST
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
NO. BY DATE DESCRIPTION
Indiana 811
Print 13 of 18


E Thornton DR
S Buffstone CT
S Pinestone CT
1704 S PINESTONE CT
1706 S PINESTONE CT
1708 S PINESTONE CT
1709 S PINESTONE CT
1710 S PINESTONE CT
1711 S PINESTONE CT
1705 S PINESTONE CT
1707 S PINESTONE CT
1700 S BUFFSTONE CT
1701 S BUFFSTONE CT
1703 S BUFFSTONE CT
1712 S BUFFSTONE CT
1714 S BUFFSTONE CT
1719 S BUFFSTONE CT
1713 S BUFFSTONE CT
1715 S BUFFSTONE CT
1717 S BUFFSTONE CT
17x30x24
Flowerpot
1710 S HENDERSON ST
30x48x24
S Henderson ST
140'
1771 S HENDERSON ST
1775 S HENDERSON ST
Continues into existing conduit
607 E MOODY DR
609 E MOODY DR
613 E MOODY DR
617 E MOODY DR
701 E MOODY DR
703 E MOODY DR
707 E MOODY DR
E Moody DR
30x48x24
600 E MOODY DR
604 E MOODY DR
608 E MOODY DR
624 E MOODY DR
644 E MOODY DR
706 E MOODY DR
709 E MOODY DR
702 E MOODY DR
1600 S HENDERSON ST
1802 S HENDERSON ST
333 E MILLER DR
401 E MILLER DR
555 E MILLER DR
609 E MILLER DR
611 E MILLER DR
613 E MILLER DR
601 E MILLER DR
603 E MILLER DR
701 E MILLER DR
705 E MILLER DR
713 E MILLER DR
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
NO. BY DATE DESCRIPTION
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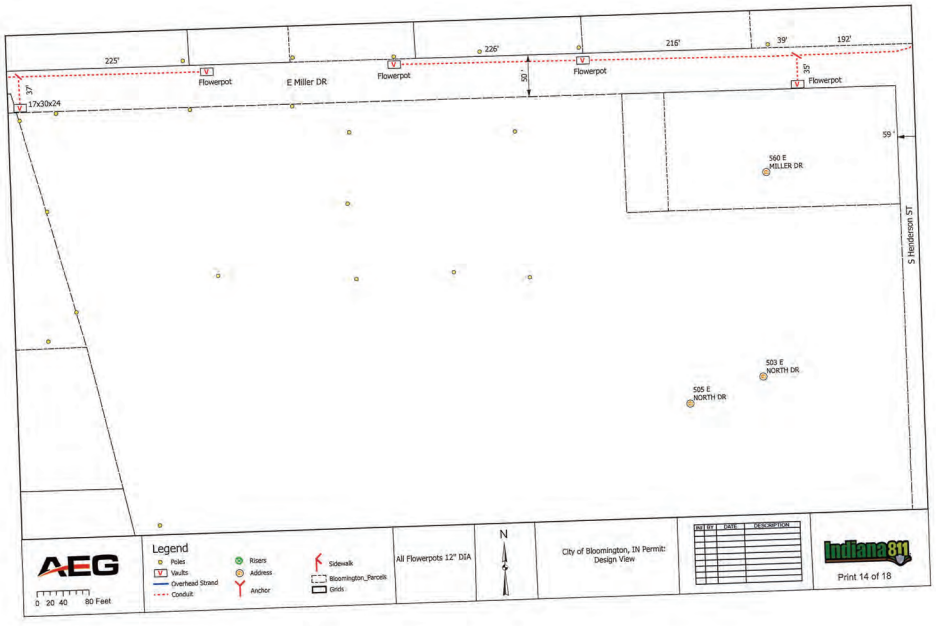
225'
17'
17x30x24
Flowerpot
E Miller DR
226'
216'
39'
192'
35'
80'
55'
560 E MILLER DR
S Henderson ST
503 E NORTH DR
505 E NORTH DR
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
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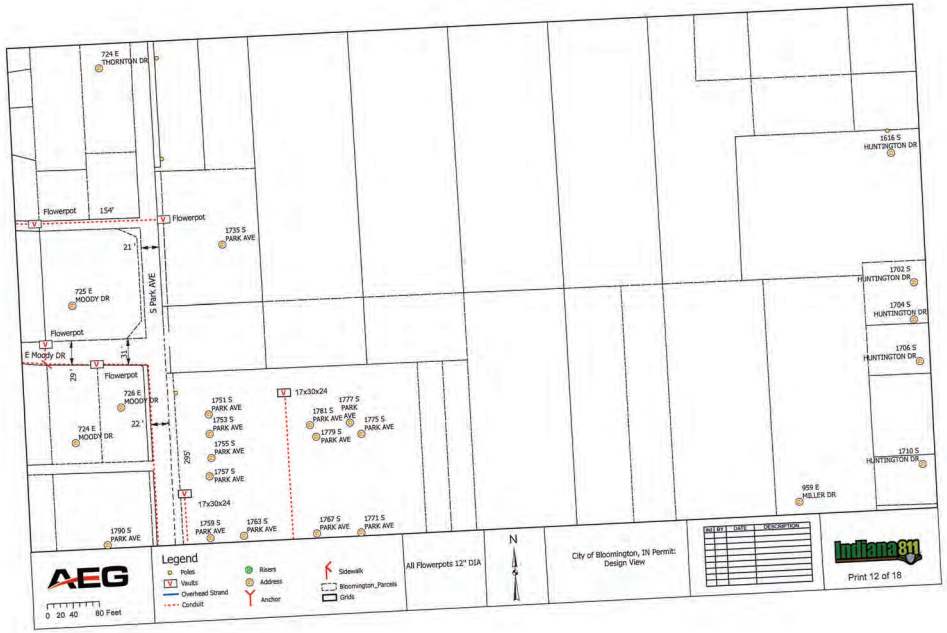
724 E THORNTON DR
1616 S HUNTINGTON DR
Flowerpot
154'
1735 S PARK AVE
21'
S Park AVE
725 E MOODY DR
E Moody DR
31'
29'
726 E MOODY DR
724 E MOODY DR
22'
17x30x24
1751 S PARK AVE
1753 S PARK AVE
1755 S PARK AVE
1757 S PARK AVE
1777 S PARK AVE
1781 S PARK AVE
1779 S PARK AVE
1775 S PARK AVE
295'
1759 S PARK AVE
1763 S PARK AVE
1767 S PARK AVE
1771 S PARK AVE
1790 S PARK AVE
1702 S HUNTINGTON DR
1704 S HUNTINGTON DR
1706 S HUNTINGTON DR
1710 S HUNTINGTON DR
959 E MILLER DR
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
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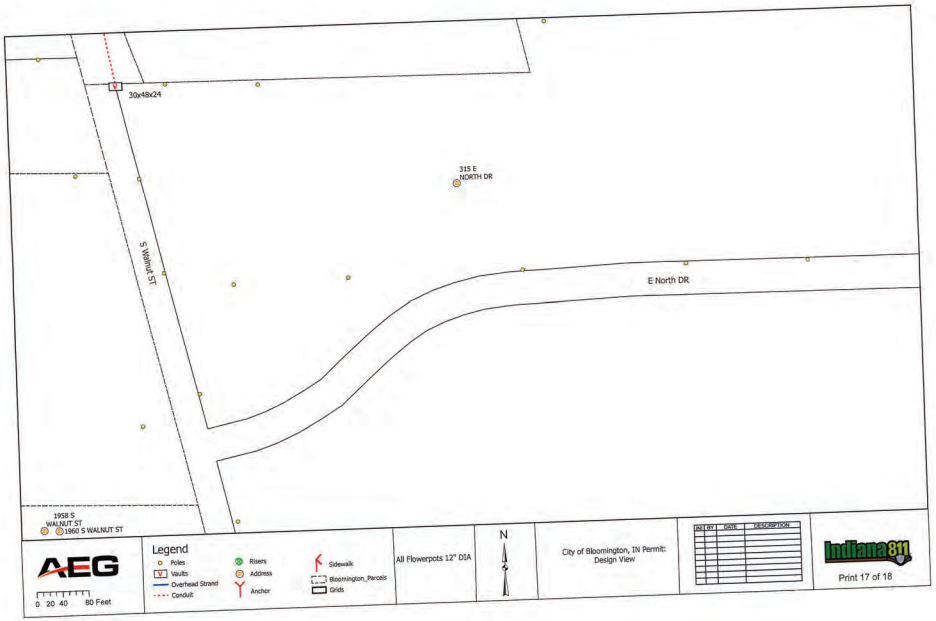
30x48x24
315 E NORTH DR
S Walnut ST
E North DR
1958 S WALNUT ST
1960 S WALNUT ST
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
INIT BY
DATE
DESCRIPTION
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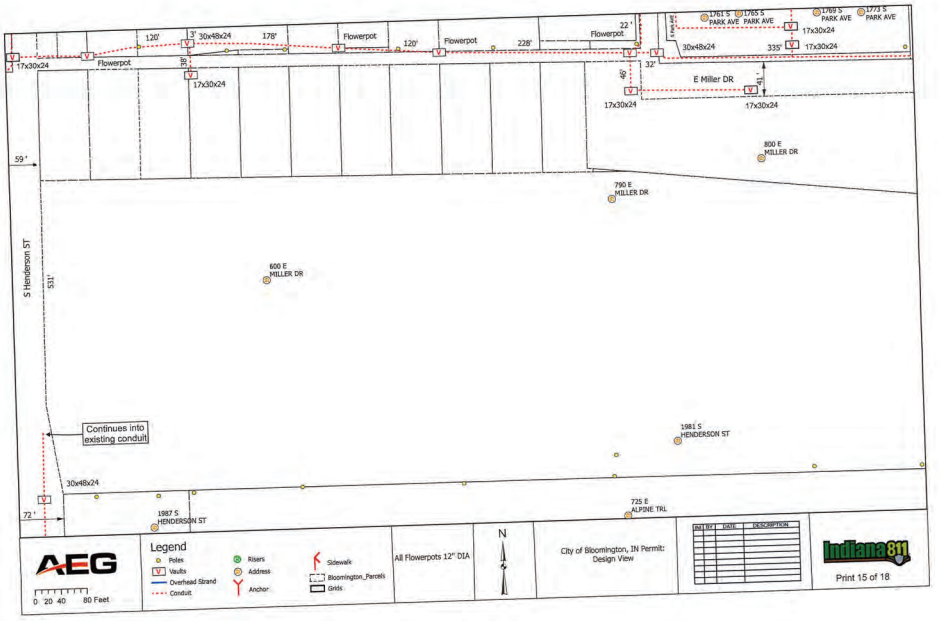
120'
3'
30x48x24
178'
Flowerpot
120'
228'
22'
17x30x24
1761 S PARK AVE
1765 S PARK AVE
1769 S PARK AVE
1773 S PARK AVE
335'
E Miller DR
800 E MILLER DR
790 E MILLER DR
600 E MILLER DR
S Henderson ST
515'
59'
72'
Continues into existing conduit
1981 S HENDERSON ST
1987 S HENDERSON ST
725 E ALPINE TRL
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
INIT BY
DATE
DESCRIPTION
Indiana 811
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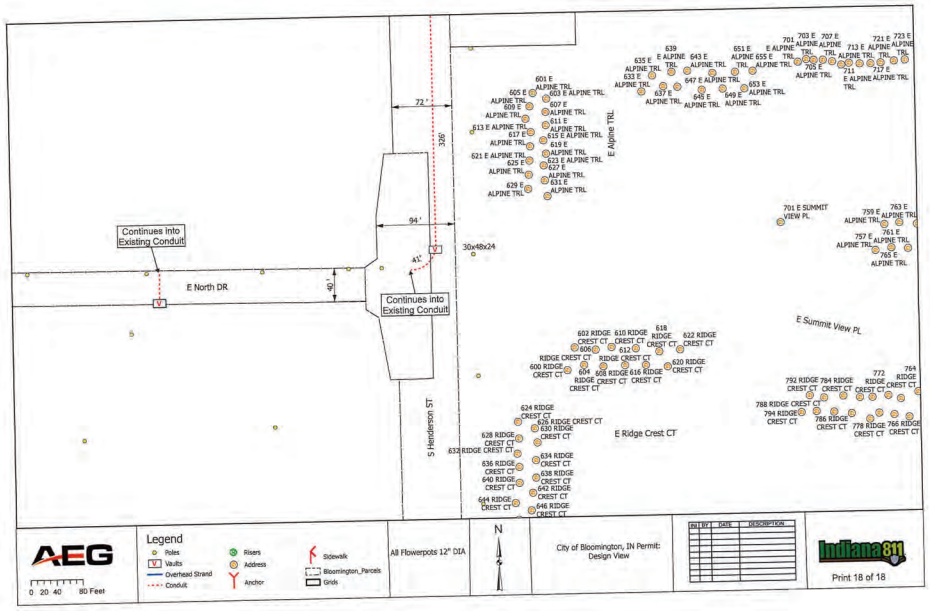
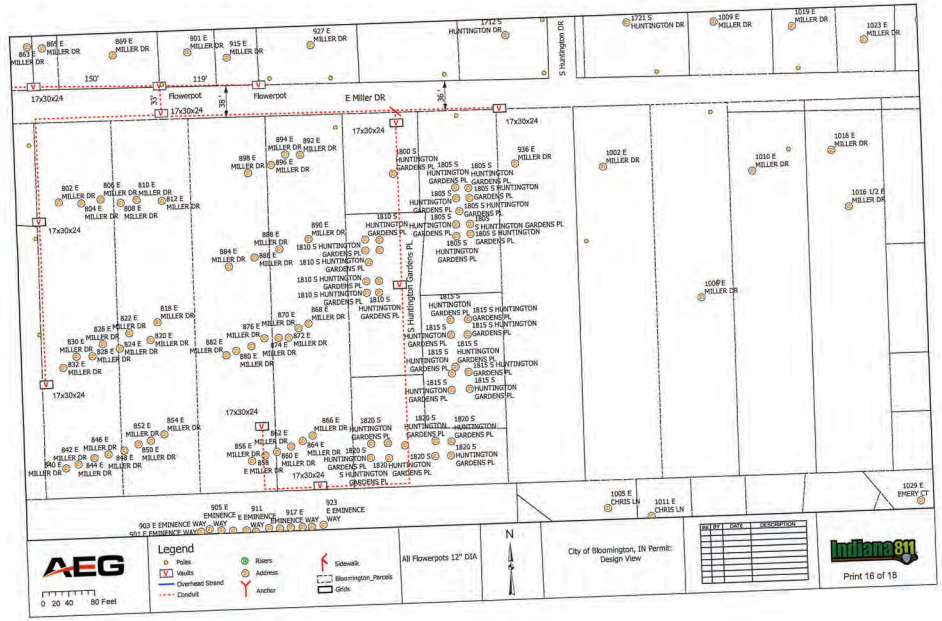

72'
320'
94'
41'
40'
Continues into Existing Conduit
Continues into Existing Conduit
E North DR
30x48x24
E Alpine TRL
S Henderson ST
E Ridge Crest CT
E Summit View PL
701 E SUMMIT VIEW PL
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
INIT BY
DATE
DESCRIPTION
Indiana 811
Print 18 of 18


150'
119'
17x30x24
Flowerpot
E Miller DR
S Huntington DR
1712 S HUNTINGTON DR
1721 S HUNTINGTON DR
1009 E MILLER DR
1019 E MILLER DR
1023 E MILLER DR
1016 E MILLER DR
1016 1/2 E MILLER DR
1002 E MILLER DR
1010 E MILLER DR
1009 E MILLER DR
1005 E CHRIS LN
1011 E CHRIS LN
1029 E EMERY CT
905 E EMINENCE WAY
911 E EMINENCE WAY
917 E EMINENCE WAY
923 E EMINENCE WAY
903 E EMINENCE WAY
901 E EMINENCE WAY
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
INIT BY
DATE
DESCRIPTION
Indiana 811
Print 16 of 18

RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

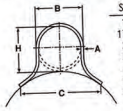
Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Flanged Overall Length 10 Feet, Including Bell



Size	Depth of Bell
1"	2 - 2 1/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 5/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.

Standard Duty

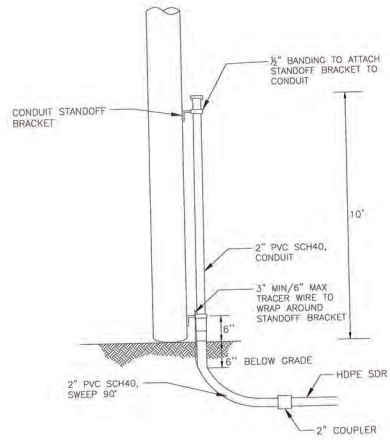
Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Actual Impact @ 0°C 20 Pound Tup
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.



DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		

AEG

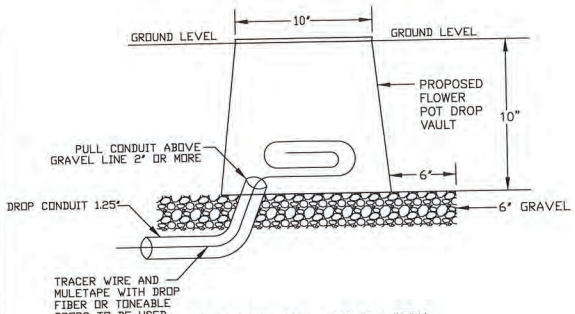
TYPICAL RISER CONDUIT WOOD POLE

(R2-W)

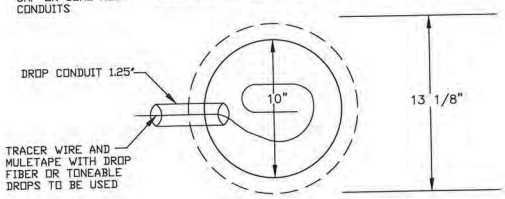
DATE: 02/03/2022
REVISION: CLM

SCALE: NTS

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW



AEG

FLOWER POT

DATE: 02/02/2022
REVISION: CLM

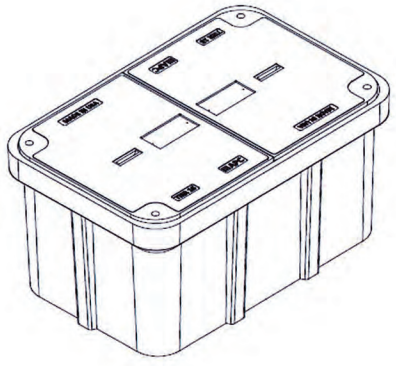
SCALE: NTS

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

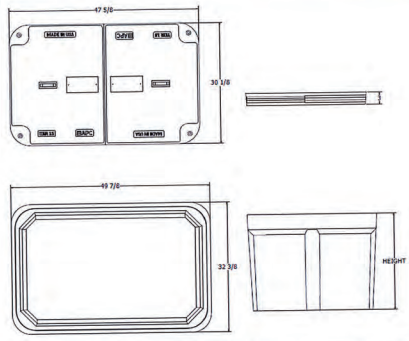
PROUDLY MADE IN USA

www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22
18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids - T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids - T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

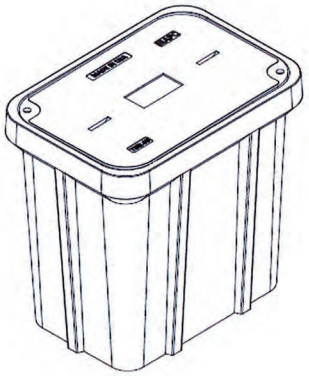
PROUDLY MADE IN USA

www.apcunderground.com

24"x36" PC UNIT, TIER 15/22
18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit - TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit - TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit - TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit - TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit - TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit - TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit - TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

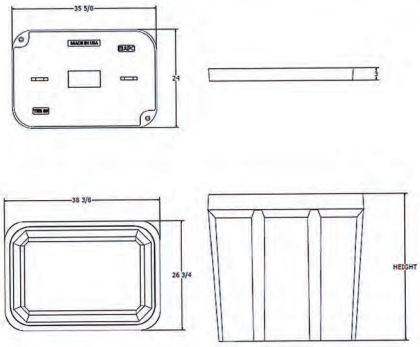
PROUDLY MADE IN USA

www.apcunderground.com

24"x36" PC UNIT, TIER 15/22
18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids - T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids - T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

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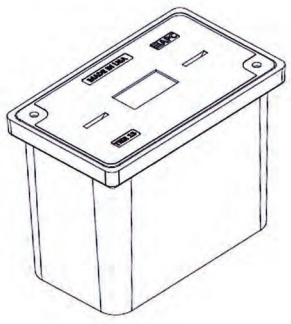
17"x30" PC UNIT, TIER 15/22
12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit - TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit - TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit - TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit - TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit - TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit - TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit - TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

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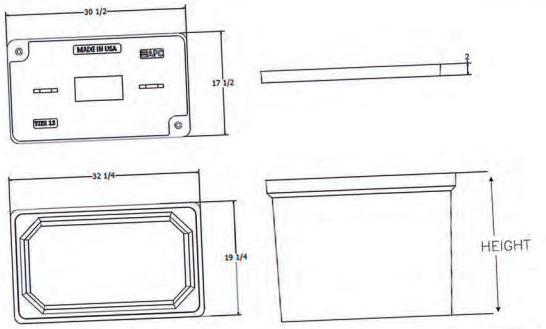
17”x30” PC UNIT, TIER 15/22

12”, 18”, 24”, and 30” HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17”x30”X12”	Tier 22	P173012B22	66 lbs.
Replacement Box	17”x30”X18”	Tier 22	P173018B22	100 lbs.
Replacement Box	17”x30”x24”	Tier 22	P173024B22	120 lbs.
Replacement Box	17”x30”x30”	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17”x30”	Tier 15	Various	72 lbs.
Replacement Lids – T22	17”x30”	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

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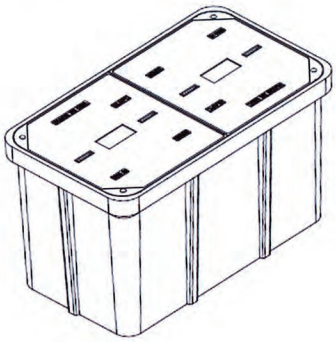
33”x60” PC UNIT, 2PC TIER 15/22

36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33”x60”x36”	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33”x60”x36”	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

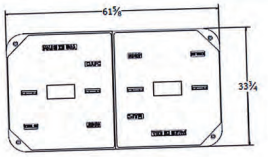
www.apcunderground.com

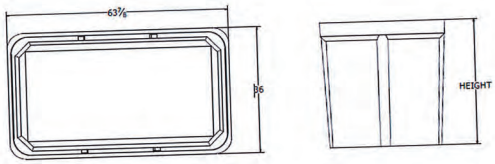
33”x60” PC UNIT, 2PC TIER 15/22

36” HEIGHT

APC

AMERICAN POLYMER COMPANY





Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33”x60”x36”	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33”x60” (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33”x60” (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

Penta Head

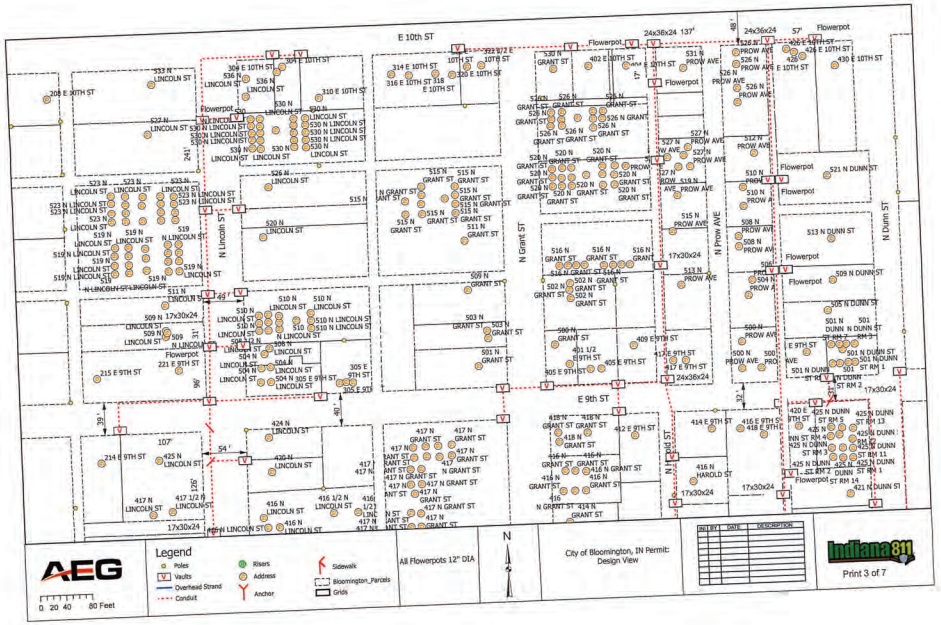
Machine Thread

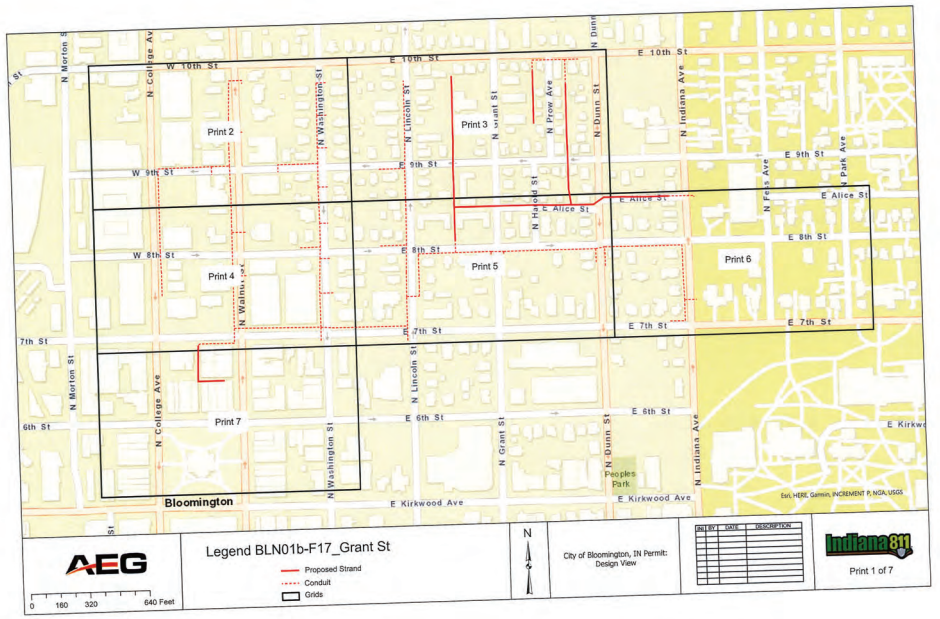
Auger Thread

PROUDLY MADE IN USA

www.apcunderground.com

Legend
ADA Barricade
Arrow Board
Channelizer
Cloudchaser
Flagger (Person)
Sign
Vault
Work Area
Manifest
8 x ADA Barricade
1 x Arrow Board
14 x Channelizer
6 x End Construction
2 x Flagger
1 x Lane Shift (R)
3 x No Parking
2 x One Lane Road Ahead
1 x Road Construction Ahead
10 x Road Construction Ahead
5 x Sidewalk Closed
1 x Sidewalk Closed Ahead Cross Here (R.L.)
1 x Sidewalk Closed Use Other Side
Spacing Charts Based on MUTCD
Speed (MPH) | Taper Length | Buffer Space | Shoulder Taper | Work Area | Taper | Buffer/Work Area
Buffer Spacing, Ft.
Non-Divided Major Road
Buffer Spacing, Ft.
Divided Major Road
Buffer Spacing, Ft.
Longitudinal Buffer Length
Buffer Spacing, Ft.
Taper Length
Buffer/Work Area
Taper
Buffer/Work Area
Taper
Buffer/Work Area
Taper


E 10th ST
E 9th ST
N Lincoln St
N Grant St
N Prow Ave
N Dunn St
AEG
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
Indiana 811
Print 3 of 7


W 10th St
E 10th St
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E 9th St
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7th St
E 7th St
6th St
E 6th St
N College Ave
N Washington St
N Lincoln St
N Grant St
N Dunn St
N Indiana Ave
N Park Ave
E Alice St
E Kirkwood Ave
Print 2
Print 3
Print 4
Print 5
Print 6
Print 7
Peoples Park
Bloomington
Esri, HERE, Garmin, INCREMENT P, NGA, USGS
AEG
Legend BLN01b-F17_Grant St
Proposed Strand
Conduit
Grids
0 160 320 640 Feet
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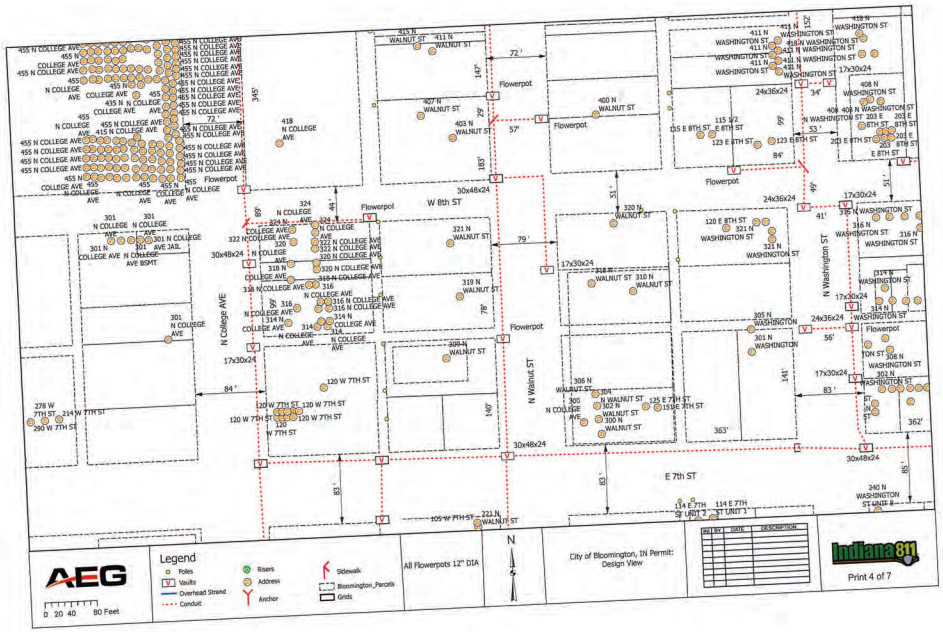
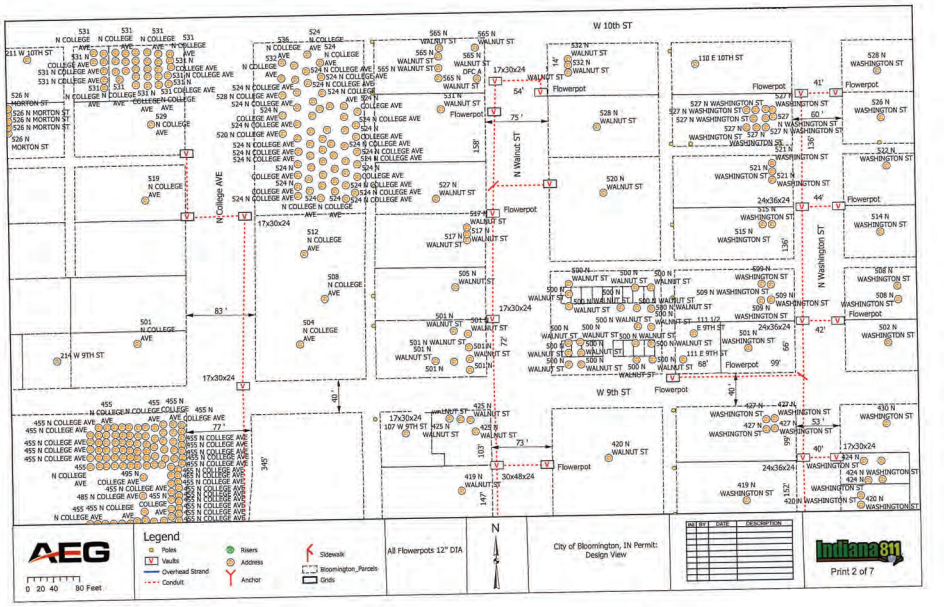
City of Bloomington, IN Permit: Design View
Indiana 811
Print 1 of 7


W 8th St
E 7th St
N College Ave
N Washington St
N Walnut St
AEG
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
Address
Anchor
Sidewalk
Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
N
City of Bloomington, IN Permit: Design View
Indiana 811
Print 4 of 7


W 10th ST
W 9th ST
N College Ave
N Washington St
N Walnut St
AEG
Legend
Poles
Vaults
Overhead Strand
Conduit
Risers
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Bloomington_Parcels
Grids
0 20 40 80 Feet
All Flowerpots 12" DIA
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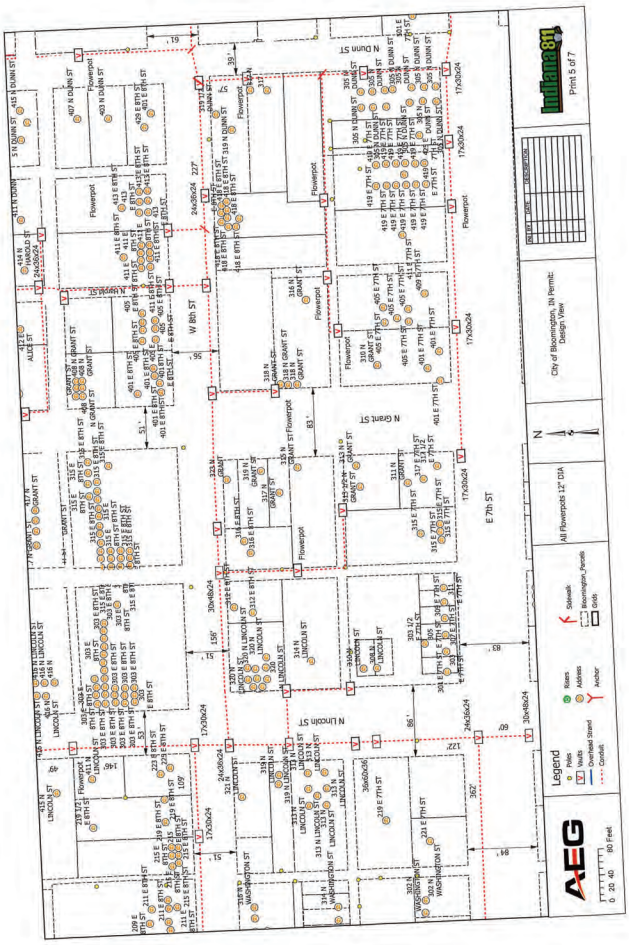
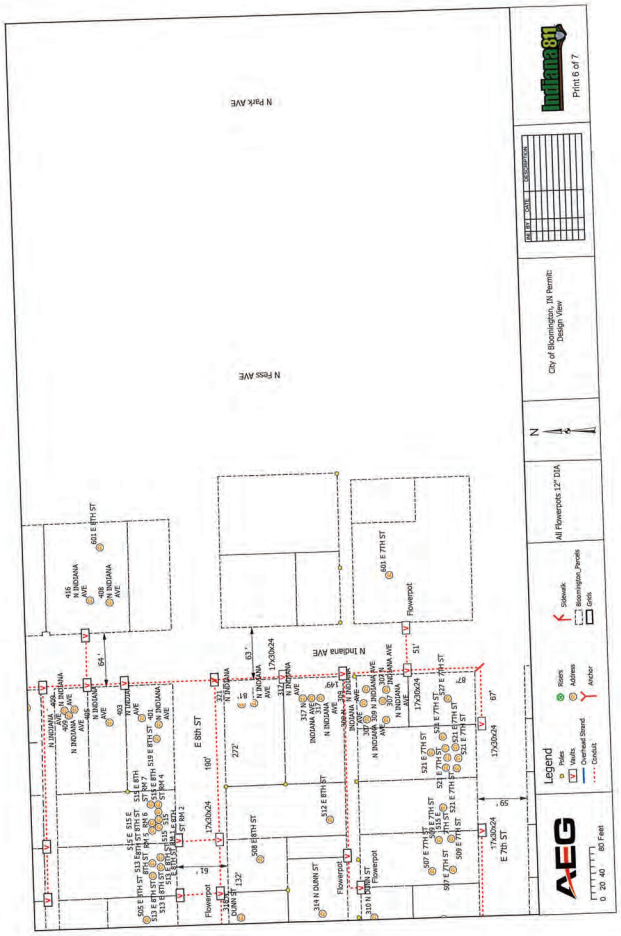
City of Bloomington, IN Permit: Design View
Indiana 811
Print 2 of 7





RUS Listed

Carlon® PV-Mold® Nonmetallic Pole Riser System

Carlon PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

Features:

- Meets or exceeds requirements outlined in the National Electric Safety Code (NESC).
- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Flame retardant.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.

Steel U-Guard requires grounding strapping and does not have belled ends.

PV-Mold has belled ends, flanged design and does not require grounding.

Standard Duty

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)	Dimensions A	B	C	H	Actual Impact @ 0°C 20 Pound Tup
59208N	1"	294	1059	0.100"	1 5/8"	2 3/8"	1 5/8"	40 Ft.-Lbs.
59211N	2"	136	726	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59211X (5' length)	2"	136	363	0.100"	2 3/8"	4 1/2"	2 3/8"	100 Ft.-Lbs.
59213N	3"	66	761	0.150"	3 1/2"	6"	3 1/2"	110 Ft.-Lbs.
59213X (5' length)	3"	66	381	0.150"	3 1/2"	6"	3 1/2"	100 Ft.-Lbs.
59215N	4"	65	910	0.150"	4 1/2"	6 1/2"	4 1/2"	110 Ft.-Lbs.
59216N	5"	30	515	0.150"	5 1/2"	7 1/2"	5 1/2"	110 Ft.-Lbs.

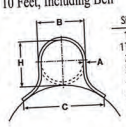
Heavy Duty Schedule 40

59010N	1 1/2"	200	1142	0.145"	1 29/32"	3 1/2"	1 29/32"	100 Ft.-Lbs.
59011N	2"	136	1214	0.154"	2 3/8"	4 1/2"	2 3/8"	150 Ft.-Lbs.
59013N	3"	66	937	0.216"	3 1/2"	6"	3 9/32"	150 Ft.-Lbs.
59015N	4"	65	1621	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59015X (5' length)	4"	65	707	0.237"	4 1/2"	6 1/2"	4 1/2"	260 Ft.-Lbs.
59016N	5"	30	870	0.258"	5 1/2"	7 1/2"	5 1/2"	260 Ft.-Lbs.
59017N	6"	30	1160	0.280"	6 5/8"	8 3/4"	6 5/8"	260 Ft.-Lbs.

Extra Heavy Duty Schedule 80

59411N	2"	136	1549	0.218"	2 3/8"	4 1/2"	2 3/8"	300 Ft.-Lbs.
59413N	3"	66	1495	0.030"	3 1/2"	6"	3 1/2"	525 Ft.-Lbs.

Flanged Overall Length
10 Feet, Including Bell



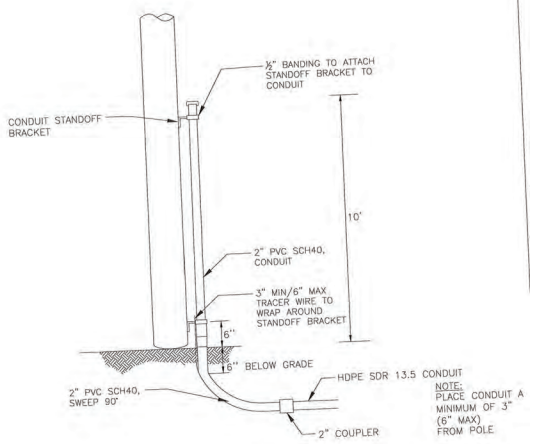
Size	Depth of Bell
1"	2 - 2 1/4"
1 1/2"	2 - 2 1/4"
2"	2 - 2 1/4"
3"	3 - 3 1/4"
4"	4 - 4 1/4"
5"	4 - 4 1/2"
6"	5 - 5 1/2"

Slots are 1/2" from side to side, and allow for expansion and contraction.

Slot Dimensions: for sizes 2" through 6" are 3/16" wide, 3/4" long.

Slot Dimensions: for 1" and 1 1/2" are 3/16" wide, 3/4" long.

Slot Spacing: 18" from center, beginning 6" from end.



DESCRIPTION	QTY	MANUFACTURER (PREFERRED)	PART #
SCREW, LAG, 1/2" x 4-1/2"	10		
HDPE SDR 13.5 CONDUIT, VARIOUS SIZES	N/A		
2" PVC SCH40, RISER PIPE	1		
#12 TRACER WIRE	N/A		
2" PVC SCH40, SWEEP, 90 DEG	1		
CONDUIT STANDOFF BRACKET	VARIES		
CONDUIT STRAP KIT	VARIES		
2" COUPLER	1		

AEG

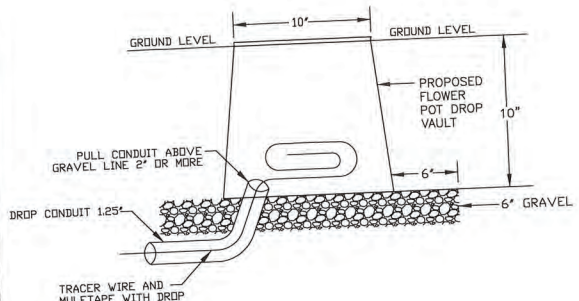
DATE: 02/03/2022
REVISION: CLM

SCALE: NTS

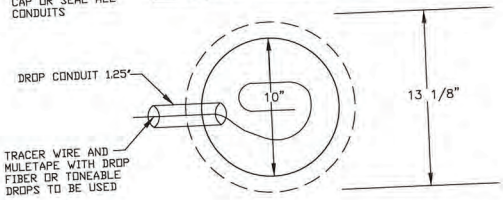
TYPICAL RISER CONDUIT WOOD POLE

(R2-W)

CONCEPTUAL SIDE VIEW



CONCEPTUAL TOP VIEW



AEG

DATE: 02/02/2022
REVISION: CLM

SCALE: NTS

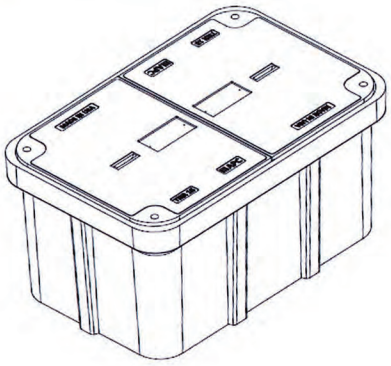
FLOWER POT

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit - TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit - TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit - TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit - TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit - TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

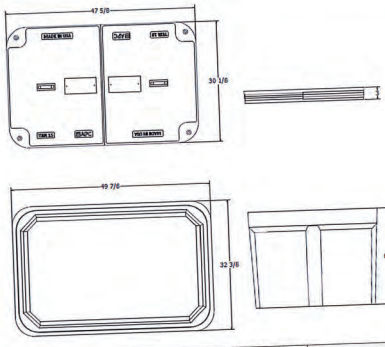
www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids - T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids - T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

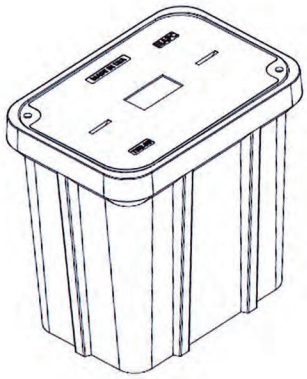
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit - TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit - TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit - TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit - TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit - TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit - TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit - TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

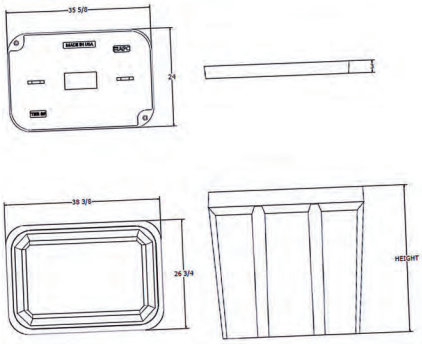
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids - T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids - T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

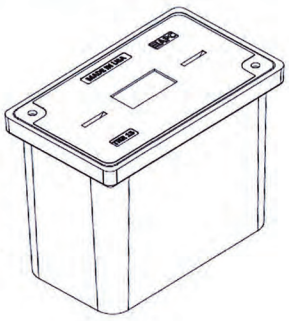
www.apcunderground.com

17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit - TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit - TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit - TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit - TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit - TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit - TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit - TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit - TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

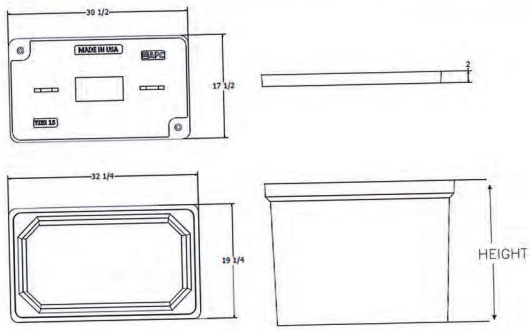
www.apcunderground.com

17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids - T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids - T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

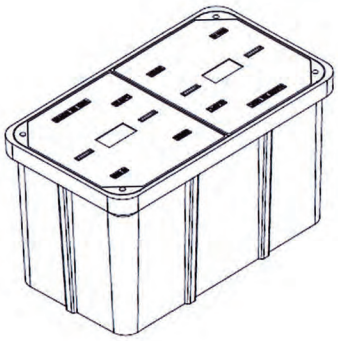
www.apcunderground.com

33”x60” PC UNIT, 2PC TIER 15/22

36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	33”x60”x36”	Tier 15	P336036U15...	930 lbs.
PC Unit – TIER 22	33”x60”x36”	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

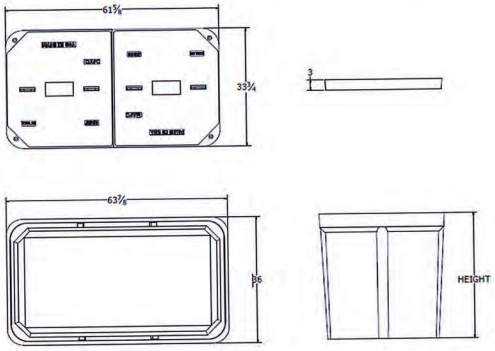
www.apcunderground.com

33”x60” PC UNIT, 2PC TIER 15/22

36” HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33”x60”x36”	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33”x60” (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33”x60” (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

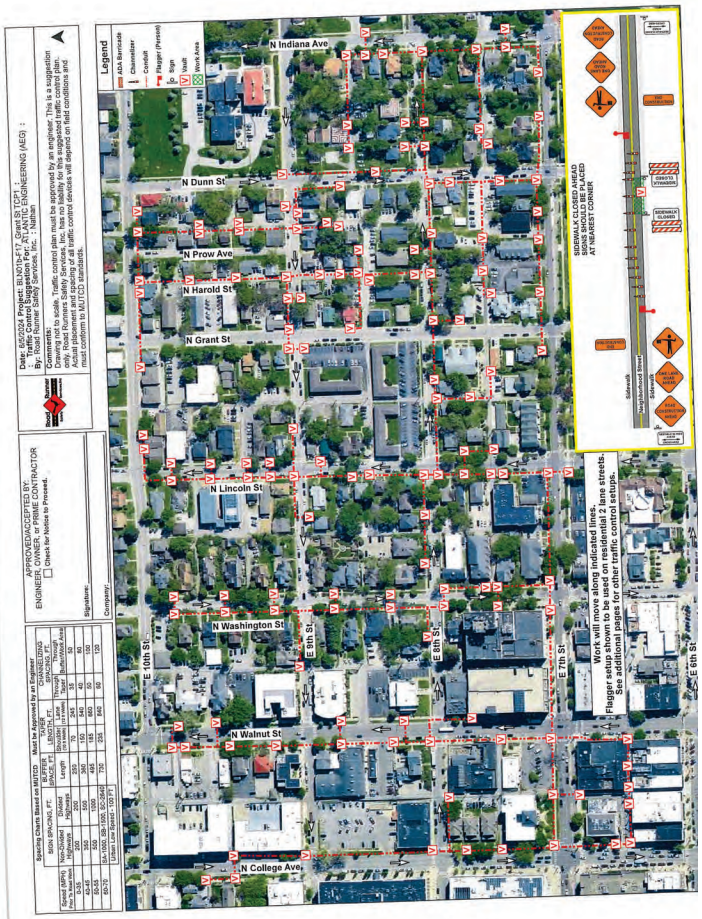
Penta Head

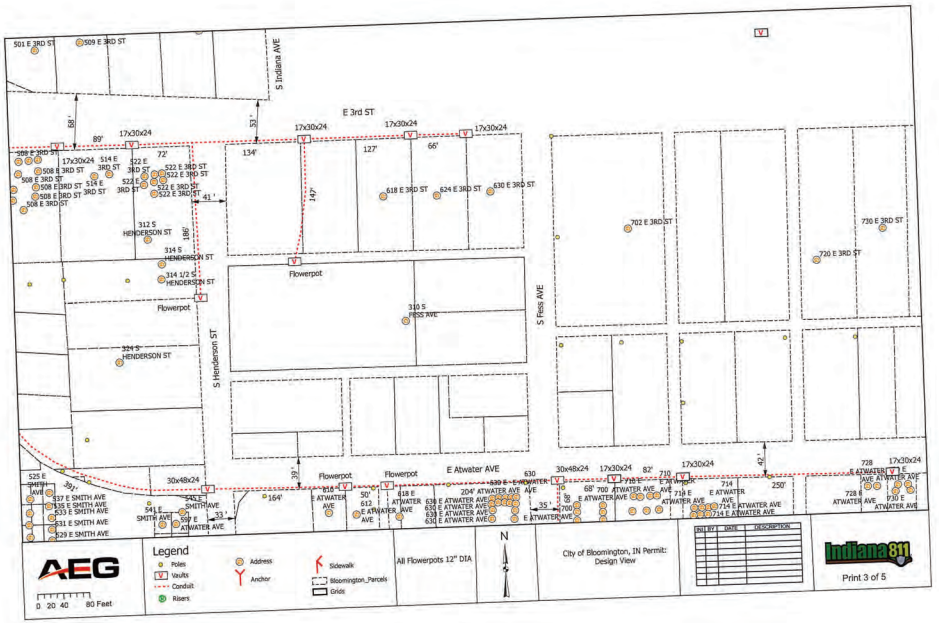
Machine Thread

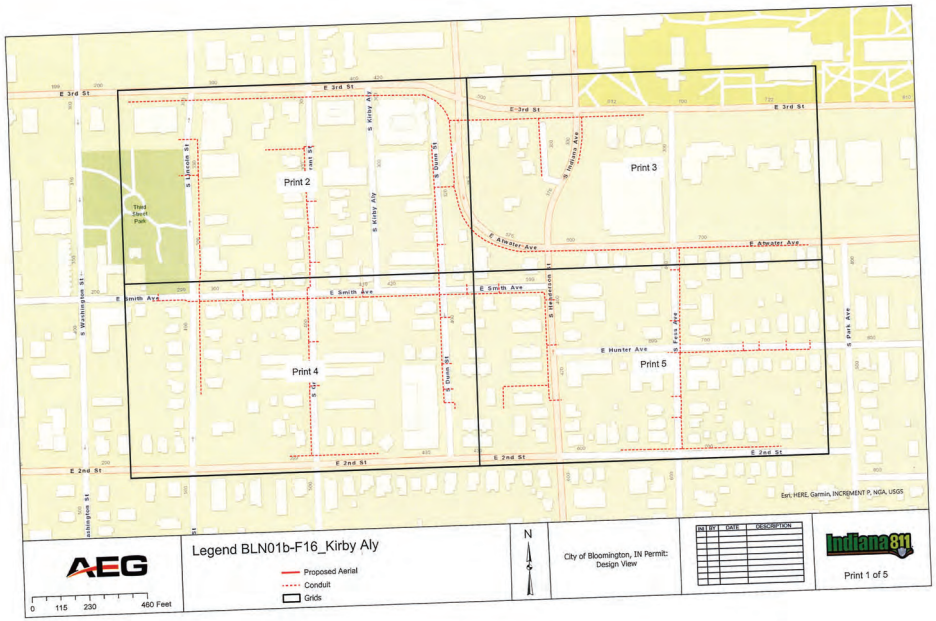
Auger Thread

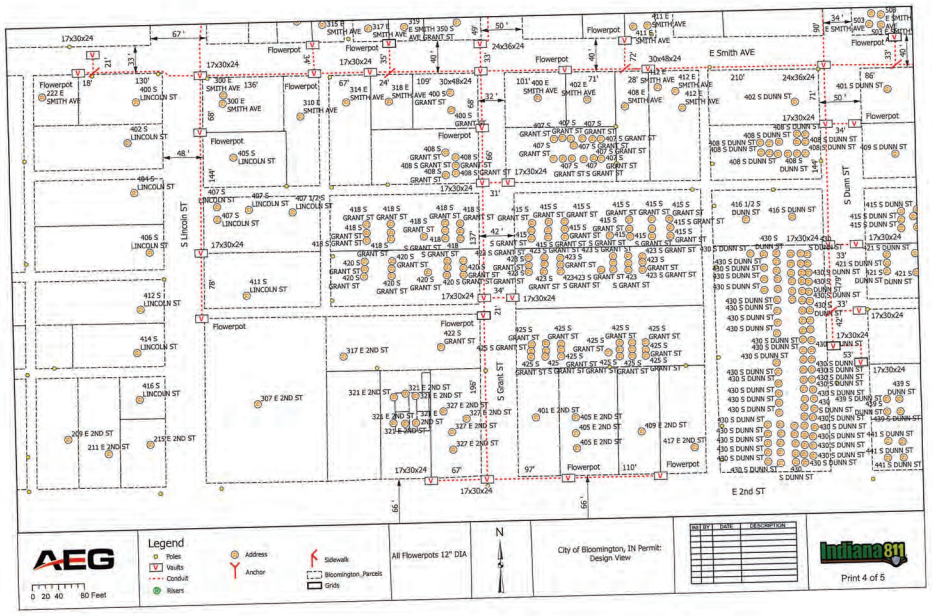
PROUDLY MADE IN USA

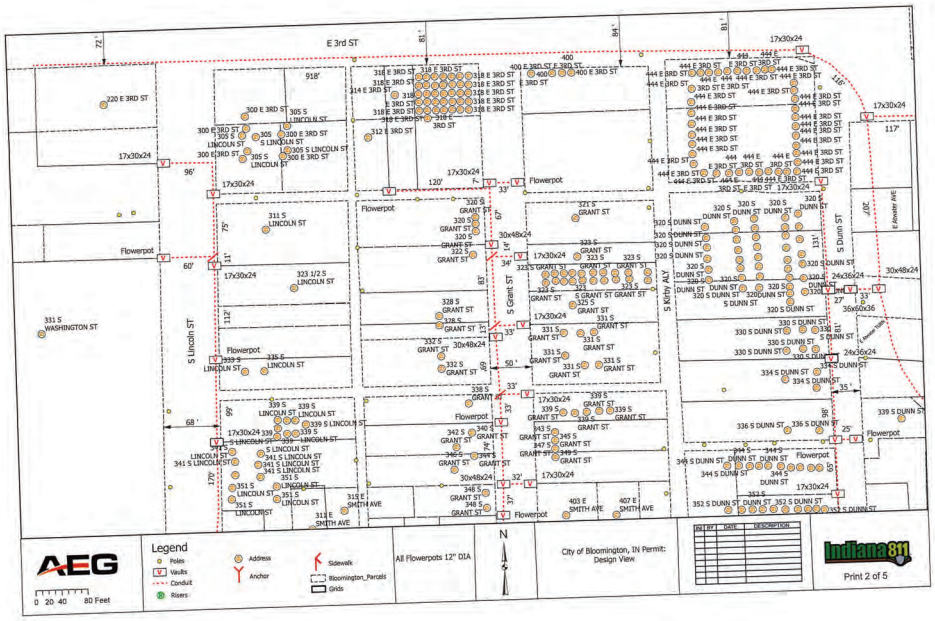
www.apcunderground.com

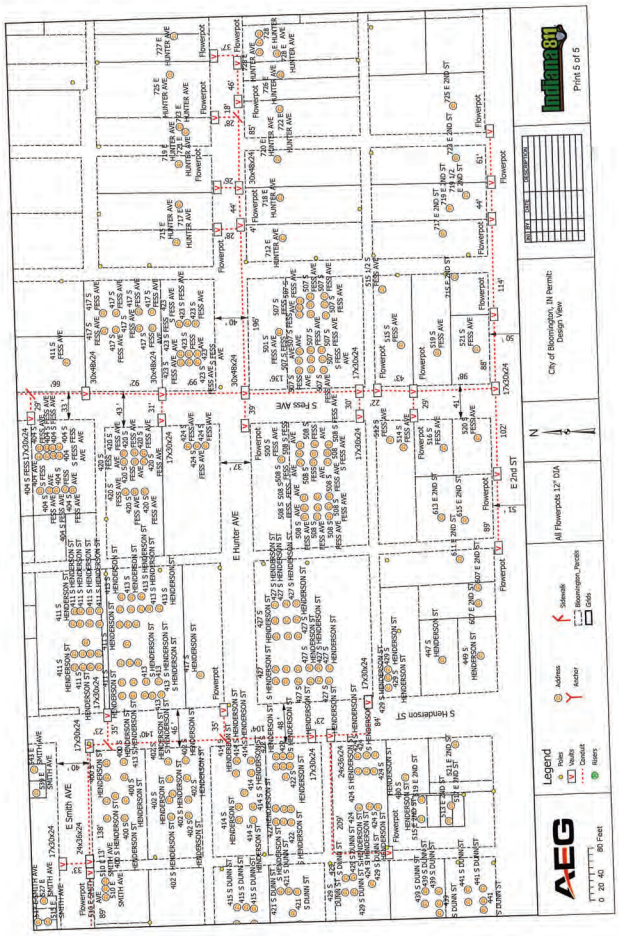

Legend
ADA Barricade
Channelizer
Cone/bit
Flagger (Person)
Sign
Vault
Work Area
Date: 5/6/2024 Project: BLN015-F17 (Grant St TCP) :
By: Road Runner Safety Services, Inc. - PLANS ENGINEERING (AEG) :
Comments:
Plan is not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and road conditions MUTCD standards.
APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
Check for Notice to Proceed.
Signature:
Company:
Spacing Charts Based on MUTCD
Must be Approved by an Engineer
TAPER
LENGTH, FT.
BUFFER, FT.
SIGN SPACING, FT.
Speed (MPH) Posted Speed
Non-Divided Highways
Divided Highways
Length (Abrupt) 50:1 Max
Length (Normal) 180' Min
Tangent Length (Normal)
Taper Length (Normal)
Buffer/Work Area
0-35
40
205
155
80
150
40-45
50
305
360
245
100
50-55
60
360
495
305
150
60-70
70
425
645
360
180
Use 1/2 Spacing
Use Full Spacing
Use 1.5 Spacing
Use 2 Spacing
Use 2 Spacing
Use 2

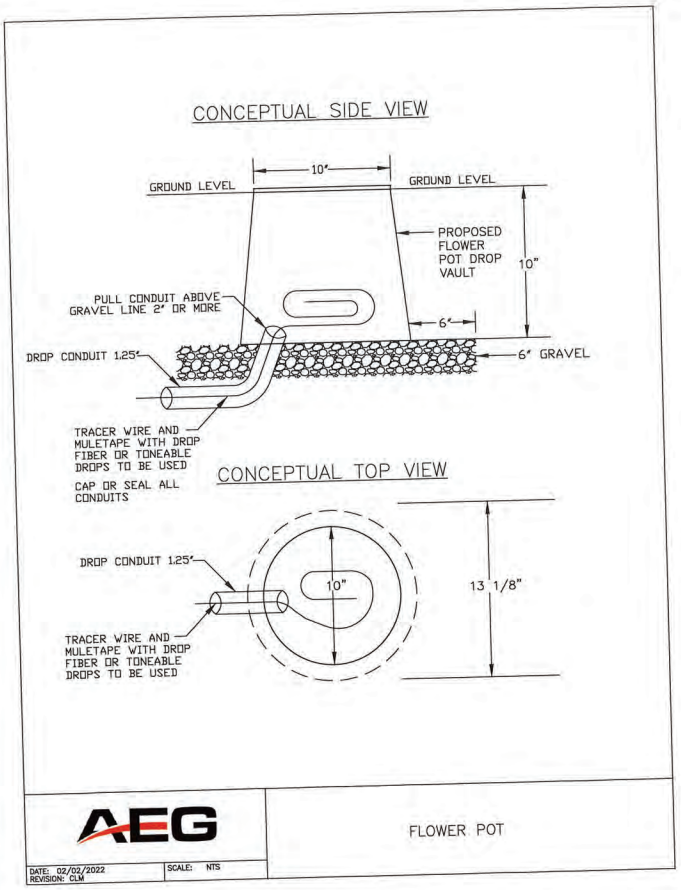

E 3rd ST
E Atwater AVE
S Henderson ST
S Fess AVE
S Indiana AVE
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 3 of 5


Print 2
Print 3
Print 4
Print 5
E 3rd St
E Atwater Ave
E Smith Ave
E Hunter Ave
E 2nd St
S Lincoln St
S Kirby Aly
S Dunn St
S Fess Ave
S Park Ave
S Washington St
S Henderson St
Third Street Park
Esri, HERE, Garmin, INCREMENT P, NGA, USGS
Legend BLN01b-F16_Kirby Aly
Proposed Aerial
Conduit
Grids
0 115 230 460 Feet
City of Bloomington, IN Permit: Design View
Print 1 of 5


E Smith AVE
E 2nd ST
S Lincoln ST
S Grant ST
S Dunn ST
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 4 of 5


E 3rd ST
E 2nd ST
S Lincoln ST
S Grant ST
S Dunn ST
S Kirby ALY
E Atwater AVE
Flowerpot
All Flowerpots 12" DIA
City of Bloomington, IN Permit: Design View
Print 2 of 5



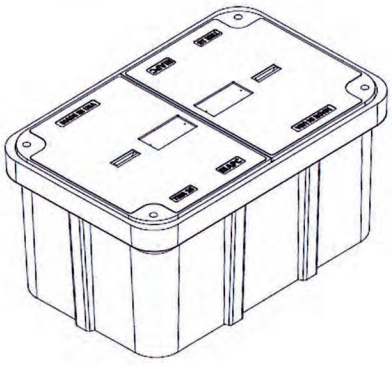


30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	30"x48"x18"	Tier 15	P304818HU15...	460 lbs.
PC Unit – TIER 22	30"x48"x18"	Tier 22	P304818HU22...	525 lbs.
PC Unit – TIER 15	30"x48"x24"	Tier 15	P304824HU15...	510 lbs.
PC Unit – TIER 22	30"x48"x24"	Tier 22	P304824HU22...	575 lbs.
PC Unit – TIER 15	30"x48"x36"	Tier 15	P304836HU15...	615 lbs.
PC Unit – TIER 22	30"x48"x36"	Tier 22	P304836HU22...	680 lbs.

PROUDLY MADE IN USA

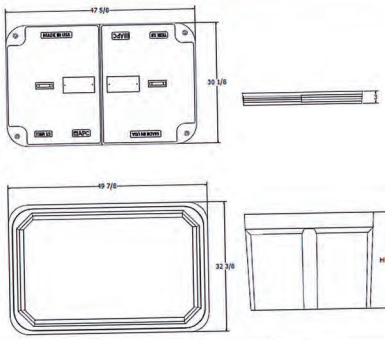
www.apcunderground.com

30"x48" PC UNIT, 2PC TIER 15/22

18", 24", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	30"x48"x18"	Tier 22	P304818B22	185 lbs.
Replacement Box	30"x48"x24"	Tier 22	P304824B22	235 lbs.
Replacement Box	30"x48"x36"	Tier 22	P304836B22	340 lbs.
Replacement Lids – T15	30"x48" (half)	Tier 15	Various	150 lbs.
Replacement Lids – T22	30"x48" (half)	Tier 22	Various	170 lbs.

Bolt options

Hex Head

Penta Head

Machine Thread

Auger Thread

PROUDLY MADE IN USA

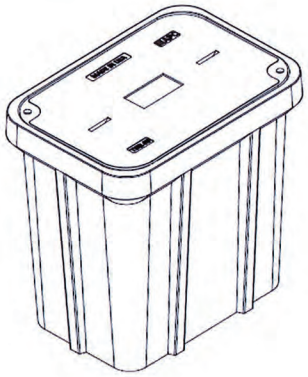
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	24x36"x18"	Tier 15	P243618U15...	335 lbs.
PC Unit – TIER 22	24x36"x18"	Tier 22	P243618U22...	355 lbs.
PC Unit – TIER 15	24x36"x24"	Tier 15	P243624U15...	365 lbs.
PC Unit – TIER 22	24x36"x24"	Tier 22	P243624U22...	385 lbs.
PC Unit – TIER 15	24x36"x30"	Tier 15	P243630U15...	395 lbs.
PC Unit – TIER 22	24x36"x30"	Tier 22	P243630U22...	415 lbs.
PC Unit – TIER 15	24x36"x36"	Tier 15	P243636U15...	425 lbs.
PC Unit – TIER 22	24x36"x36"	Tier 22	P243636U22...	445 lbs.

PROUDLY MADE IN USA

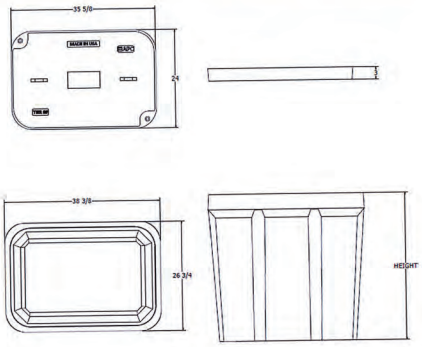
www.apcunderground.com

24"x36" PC UNIT, TIER 15/22

18", 24", 30", and 36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	24"x36"x18"	Tier 22	P243618B22	165 lbs.
Replacement Box	24"x36"x24"	Tier 22	P243624B22	195 lbs.
Replacement Box	24"x36"x30"	Tier 22	P243630B22	225 lbs.
Replacement Box	24"x36"x36"	Tier 22	P243636B22	255 lbs.
Replacement Lids – T15	24"x36"	Tier 15	Various	170 lbs.
Replacement Lids – T22	24"x36"	Tier 22	Various	190 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

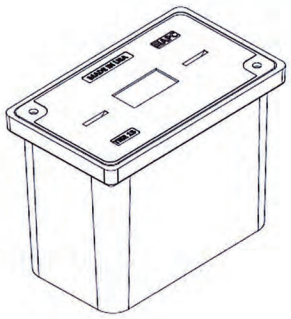
www.apcunderground.com

17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

APC

AMERICAN POLYMER COMPANY



Description	Nominal Size	ANSI Tier	Part Number	Estimated Weight
PC Unit – TIER 15	17"x30"x12"	Tier 15	P173012U15...	138 lbs.
PC Unit – TIER 22	17"x30"x12"	Tier 22	P173012U22...	147 lbs.
PC Unit – TIER 15	17"x30"x18"	Tier 15	P173018U15...	172 lbs.
PC Unit – TIER 22	17"x30"x18"	Tier 22	P173018U22...	181 lbs.
PC Unit – TIER 15	17"x30"x24"	Tier 15	P173024U15...	192 lbs.
PC Unit – TIER 22	17"x30"x24"	Tier 22	P173024U22...	201 lbs.
PC Unit – TIER 15	17"x30"x30"	Tier 15	P173030U15...	217 lbs.
PC Unit – TIER 22	17"x30"x30"	Tier 22	P173030U22...	226 lbs.

PROUDLY MADE IN USA

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17"x30" PC UNIT, TIER 15/22

12", 18", 24", and 30" HEIGHT

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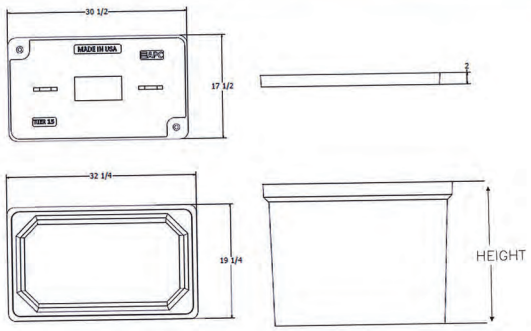


Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	17"x30"X12"	Tier 22	P173012B22	66 lbs.
Replacement Box	17"x30"X18"	Tier 22	P173018B22	100 lbs.
Replacement Box	17"x30"x24"	Tier 22	P173024B22	120 lbs.
Replacement Box	17"x30"x30"	Tier 22	P173030B22	145 lbs.
Replacement Lids – T15	17"x30"	Tier 15	Various	72 lbs.
Replacement Lids – T22	17"x30"	Tier 22	Various	81 lbs.

Bolt options

Hex Head

Machine Thread

Penta Head

Auger Thread

PROUDLY MADE IN USA

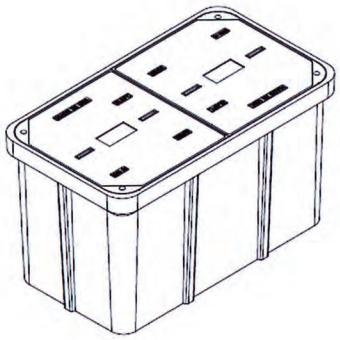
www.apcunderground.com

33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



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PC Unit – TIER 22	33"x60"x36"	Tier 22	P336036U22...	1030 lbs.

PROUDLY MADE IN USA

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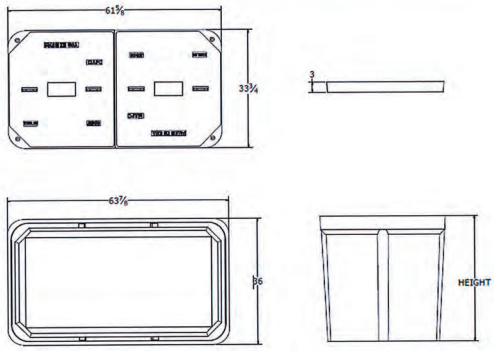
33"x60" PC UNIT, 2PC TIER 15/22

36" HEIGHT

APC

AMERICAN POLYMER COMPANY



Components	Nominal Size	ANSI Tier	Part Number	Estimated Weight
Replacement Box	33"x60"x36"	Tier 22	P336036B22	530 lbs.
Replacement Lids – T15	33"x60" (half)	Tier 15	Various	200 lbs.
Replacement Lids – T22	33"x60" (half)	Tier 22	Various	250 lbs.

Bolt options

Hex Head

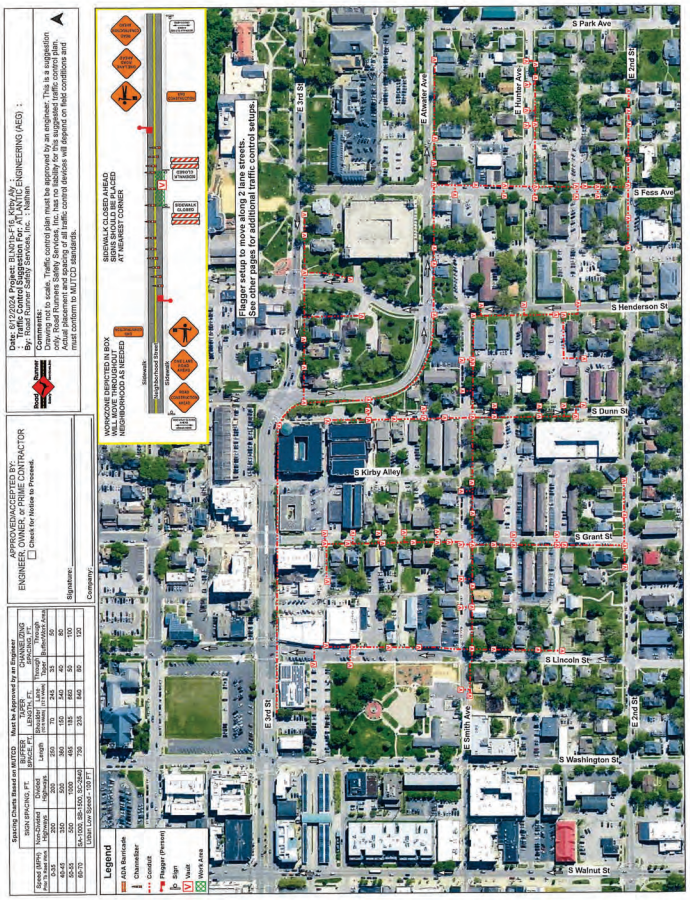
Machine Thread

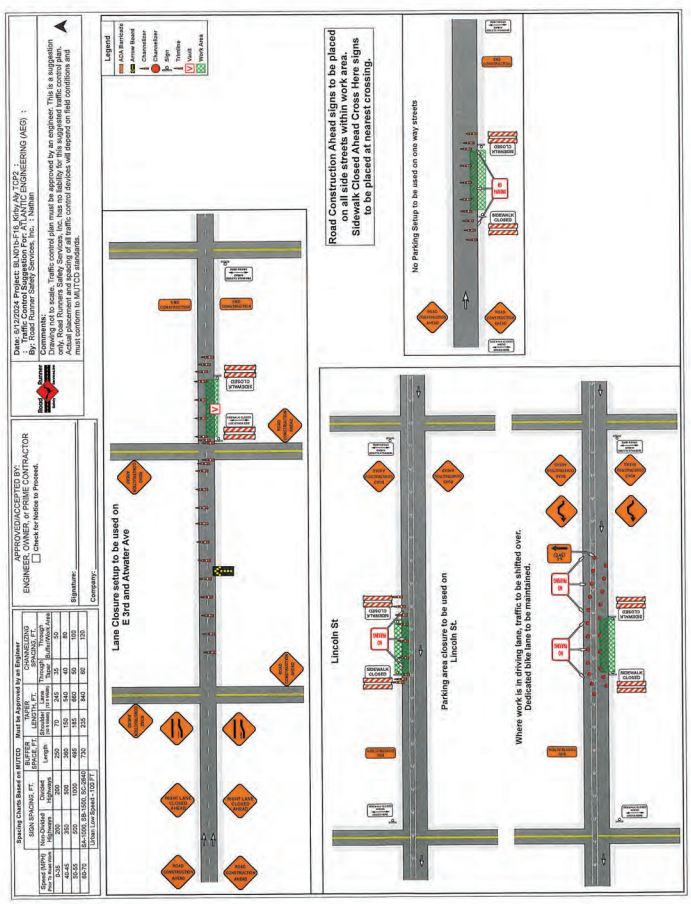
Penta Head

Auger Thread

PROUDLY MADE IN USA

www.apcunderground.com





Spacing Charts Based on MUTCD Must be Approved by an Engineer							
	SIGN SPACING, FT.		BUFFER SPACE, FT.	TAPER LENGTH, FT.		CHANNELIZING SPACING, FT.	
Speed (MPH) Prior To Road Work	Non-Divided Highways	Divided Highways	Length	Shoulder (10 ft Wide)	Lane (12 ft Wide)	Through Taper	Through Buffer/Work Area
0-35	200	200	250	70	245	35	50
40-45	350	500	360	150	540	40	80
50-55	500	1000	495	185	660	50	100
60-70	SA-1000, SB-1500, SC-2640		730	235	840	60	120
Urban Low Speed - 100 FT							

APPROVED/ACCEPTED BY:
ENGINEER, OWNER, or PRIME CONTRACTOR
☐ Check for Notice to Proceed.

Signature: _____

Company: _____

Road Runner Safety Services

Date: 6/12/2024 **Project:** BLN01b-F18_Kirby Aly TCP3 :
: **Traffic Control Suggestion For:** ATLANTIC ENGINEERING (AEG) :
By: Road Runner Safety Services, Inc. : Nathan

Comments:
Drawing not to scale. Traffic control plan must be approved by an engineer. This is a suggestion only. Road Runners Safety Services, Inc. has no liability for this suggested traffic control plan. Actual placement and spacing of all traffic control devices will depend on field conditions and must conform to MUTCD standards.