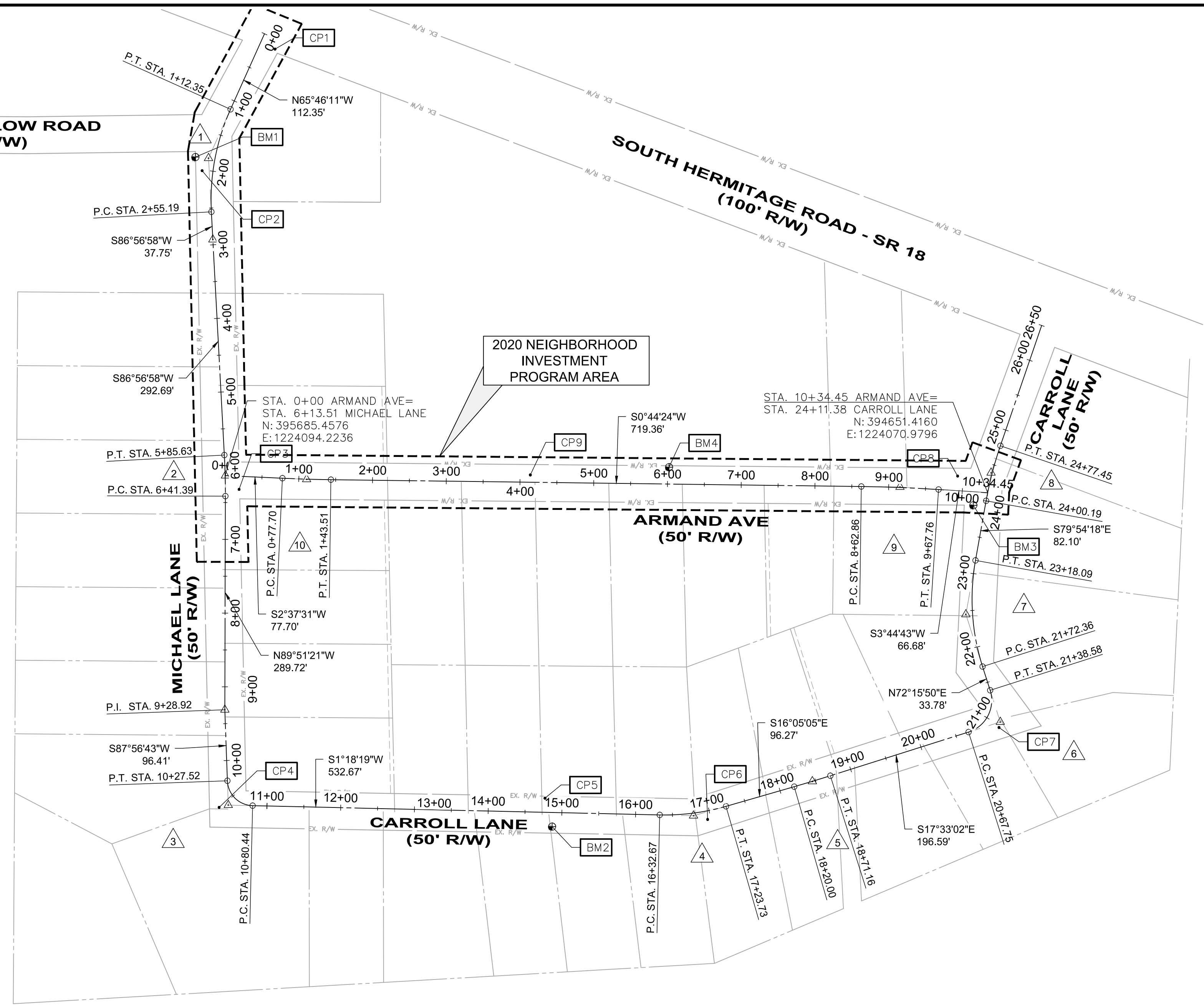


DATE	REVISION	NO	BID SET	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			1/20/2020	AS SHOWN			JES	JES / SAS	IAG

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
SURVEY CONTROL PLAN

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	SVC
SHEET	3
OF	23

1	2	3
CURVE DATA: Δ=27°16'51" R=300.00' T=72.80' L=142.84' CHB=N79°24'36"W CHD=141.50'	CURVE DATA: Δ=3°11'41" R=1000.00' T=27.89' L=55.76' CHB=S88°32'49"W CHD=55.75'	CURVE DATA: Δ=86°38'23" R=35.00' T=33.01' L=52.93' CHB=S44°37'31"W CHD=48.02'
4	5	6
CURVE DATA: Δ=17°23'25" R=300.00' T=45.88' L=91.06' CHB=S7°23'23"E CHD=90.71'	CURVE DATA: Δ=1°27'56" R=2000.00' T=25.58' L=51.16' CHB=S16°49'04"E CHD=51.16'	CURVE DATA: Δ=90°11'08" R=45.00' T=45.15' L=70.83' CHB=S62°38'36"E CHD=63.74'
7	8	9
CURVE DATA: Δ=27°49'52" R=300.00' T=74.33' L=145.72' CHB=N86°10'46"E CHD=144.29'	CURVE DATA: Δ=8°51'10" R=500.00' T=38.70' L=77.25' CHB=S75°28'43"E CHD=77.18'	CURVE DATA: Δ=3°00'19" R=2000.00' T=52.46' L=104.90' CHB=S2°14'34"W CHD=104.89'
10		
CURVE DATA: Δ=1°53'07" R=2000.00' T=32.91' L=65.81' CHB=S1°40'58"W CHD=65.80'		



PROJECT CONTROL & BENCHMARKS						
POINT #	NORTHING	EASTING	STATION	OFFSET	ELEV	DESCRIPTION
BM1	395725.8350	1224526.2640	MICHAEL, STA. 1+85.42	26.51' LT	1118.19'	Benchmark
BM2	395242.0320	1223618.0960	CARROLL, STA. 14+87.19	19.19' RT	1086.86'	Benchmark
BM3	394670.8090	1224053.9750	CARROLL, STA. 23+91.24	15.99' LT	1103.14'	Benchmark
BM4	395083.4790	1224105.5720	ARMAND, STA. 6+01.84	22.76' LT	1112.51'	Benchmark
CP1	395617.8110	1224672.7850	MICHAEL, STA. 0+13.14	21.50' LT	1130.50'	Control Point
CP2	395716.7190	1224507.8480	MICHAEL, STA. 2+01.15	14.69' RT	1115.58'	Control Point
CP3	395666.5290	1224075.4970	MICHAEL, STA. 6+32.36	18.63' LT	1097.84'	Control Point
CP4	395693.6480	1223644.1390	MICHAEL, STA. 10+50.07	24.45' RT	1071.48'	Control Point
CP5	395251.7110	1223656.6550	CARROLL, STA. 14+76.63	19.14' LT	1087.97'	Control Point
CP6	395031.1270	1223627.8110	CARROLL, STA. 16+95.86	11.56' RT	1089.89'	Control Point
CP7	394635.9990	1223752.4960	CARROLL, STA. 20+98.06	21.05' RT	1088.89'	Control Point
CP8	394692.1350	1224093.6310	ARMAND, STA. 9+92.34	19.94' LT	1103.88'	Control Point
CP9	395271.5960	1224095.1610	ARMAND, STA. 4+13.87	9.92' LT	1108.64'	Control Point

REFERENCE TIES TO THE BENCHMARKS:	
BM1	BEING A CHISELED "X" ON A NORTHERLY BOLT OF A HYDRANT LOCATED AT THE NORTHWESTERLY SIDE OF THE INTERSECTION OF MICHAEL LANE & SUGAR HOLLOW ROAD, ALSO KNOWN AS THE YARD OF STREET ADDRESS 2915 MICHAEL LANE. SAID HYDRANT BEING APPROXIMATELY 20 FEET NORTHEASTERLY FROM A 25MPH SIGN, AND 22 FEET SOUTHWESTERLY FROM A STOP SIGN AT SAID INTERSECTION. ELEV.=1118.19'
BM2	BEING A CHISELED "X" ON A NORTHERLY BOLT OF A HYDRANT LOCATED ON THE WESTERLY SIDE OF CARROLL LANE, SAID HYDRANT BEING APPROXIMATELY 435' SOUTHERLY FROM THE INTERSECTION OF SAID CARROLL LANE & MICHAEL LANE, & BEING 9 FEET WESTERLY FROM THE WESTERLY EDGE OF ASPHALT OF SAID CARROLL LANE, & ALSO BEING 4 FEET NORTHERLY FROM POLE #156-177 ELEV.=1086.86'
BM3	BEING A CHISELED "X" ON THE NORTHEASTERLY CORNER OF A STORM CATCH LOCATED ON THE SOUTHWESTERLY SIDE OF THE INTERSECTION OF ARMAND AVENUE AND CARROLL LANE, & BEING APPROXIMATELY 8 FEET SOUTHERLY FROM THE "ARMAND AVE" STREET SIGN, & BEING 2.5 FEET SOUTHEASTERLY FROM THE SOUTHEASTERLY EDGE OF ASPHALT OF SAID INTERSECTION. ELEV.=1103.14'
BM4	BEING A CHISELED "X" ON A NORTHERLY BOLT OF A HYDRANT LOCATED ON THE EASTERLY SIDE OF ARMAND AVENUE, SAID HYDRANT BEING APPROXIMATELY 440 FEET NORTHERLY FROM THE INTERSECTION OF SAID ARMAND AVENUE AND CARROLL LANE, & BEING 15 FEET EASTERLY FROM THE EAST EDGE OF ASPHALT OF SAID ARMAND AVENUE, & BEING 55 FEET SOUTHERLY FROM THE MAILBOX OF STREET ADDRESS 1070 ARMAND AVENUE. ELEV.=1112.51'

EXISTING LINETYPES	
SUBDIVISION LINE	---
RIGHT-OF-WAY CL	---
BOUNDARY LINE	---
PROPERTY LINE	---
RIGHT-OF-WAY LINE	---

- EXISTING CONDITIONS NOTES:**
- EXISTING STRUCTURES, GRADES, PIPING, ETC. ARE SHOWN IN APPROXIMATE LOCATION ON THE PLANS. INFORMATION SHOWN IS NOT GUARANTEED TO BE CORRECT AND COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DATA SHOWN ON THESE PLANS PRIOR TO CONSTRUCTION.
 - ALL KNOWN ABOVE AND BELOW GROUND UTILITIES HAVE BEEN NOTED ON THE DRAWINGS. THESE UTILITIES BEEN APPROXIMATELY LOCATED BY FIELD SURVEYS OR OBTAINED VIA UTILITY COMPANY RECORD DRAWINGS. NO GUARANTEE IS MADE RELATIVE TO THE COMPLETENESS OR ACCURACY. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY UTILITIES DAMAGED DURING THE PROJECT CONSTRUCTION WHETHER SHOWN ON THE PLANS OR NOT. ANY SUCH LAND RESTRICTIONS, IF ENCOUNTERED, WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESOLVE.
 - THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY BE SUBJECT TO EASEMENTS AND OTHER RESTRICTIONS. EITHER RECORDED OR UNRECORDED. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS, RECORD ENCUMBRANCES, RESTRICTIVE COVENANTS OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
 - ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
 - THE PROJECT CONTROL COORDINATE SYSTEM IS BASED UPON THE FOLLOWING:
 - HORIZONTAL DATUM - PROJECT CONTROL COORDINATES FOR THIS PROJECT HAVE BEEN ESTABLISHED BY GPS/RTK OBSERVATIONS UTILIZING THE PENNSYLVANIA CO-ORDINATE SYSTEM OF 1983 (PENNSYLVANIA NORTH). PENNSYLVANIA STATE PLANE GRID COORDINATE VALUES ARE EXPRESSED IN UNITS OF U.S. SURVEY FEET "ON THE GRID" AND HAVE NOT BEEN ADJUSTED FOR USE "ON THE GROUND."
 - VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - THE SURVEY AND STREET ALIGNMENTS SHOWN HEREON WERE OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR OTHER PURPOSES.
 - THE STREET CENTERLINES SHOWN AND REFERENCED HEREON AND WITHIN THIS PLAN SET ARE BASED ON CURRENT ROADWAY ALIGNMENTS AND DO NOT REPRESENT THE CENTER LINES OF THE RIGHT OF WAY.
 - THE BENCHMARK ELEVATIONS SHOWN IN THE PROJECT CONTROL TABLE ARE AT THE TOP OF THE RED CAP OF THE IRON PIN SET.
 - IRON PINS SET ARE 5/8" IRON PINS SET WITH A RED CAP INSCRIBED WITH "CT REF"

