GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 feet

1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP
REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

van note-harvey associates, inc.
consulting engineers, planners & land surveyors
103 College Road East • Princeton, NJ 08540 • 609-987-2323
211 Bayberry Drive • Cape May Court House, NJ 08210 • 609-465-2600
www.vannoteharvey.com Certificate of Authorization No. 24GA28271300
van note-harvey associates - Since 1894 -

OVERALL SITE GRADING PLAN NORTH
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN
HOPEWELL TOWNSHIP MERCER CO., N.J.
SCALE 1"= 100' DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-30

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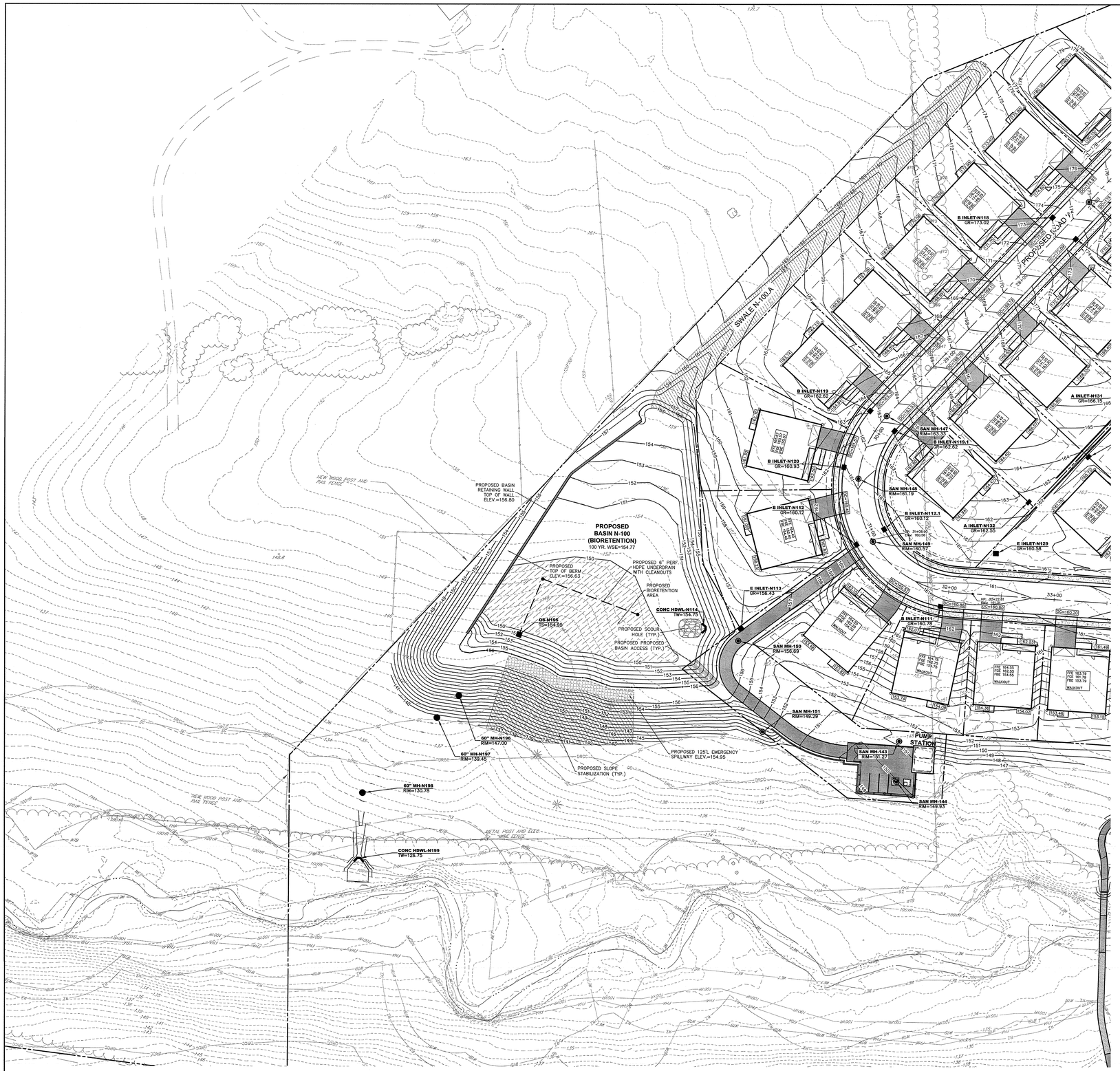

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- D" INLET
- S" INLET
- 'A' INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
- EDGE OF TRAIL
- TREELINE

ENVIRONMENTAL LEGEND

- WCT — FRESHWATER WETLAND BOUNDARY
- WTB — WETLAND TRANSITION AREA BOUNDARY
- SGW — STATE OPEN WATER BOUNDARY
- RZ — RIPARIAN ZONE BOUNDARY
- FLOOD HAZARD BOUNDARY
- WATER EDGE
- 100 YEAR FLOODPLAIN BOUNDARY
- DRCC — DELAWARE & RARITAN CANAL COMMISSION STREAM CORRIDOR BOUNDARY
- SC — MUNICIPAL STREAM CORRIDOR BOUNDARY

PROPOSED LAYOUT LEGEND:

- CURB
- D.C. — DEPRESSED CURB
- MOUNTABLE CONCRETE CURB
- CONCRETE WALK
- BITUMINOUS WALKING PATH
- PEDESTRIAN STRIPED CROSSWALK
- DECORATIVE PAVERS
- STABILIZED BASIN ACCESS
- DRIVEWAYS
- POROUS PAVEMENT
- PEDESTRIAN BOARDWALK
- MB — MAIL KIOSK
- TRAFFIC CONTROL SIGNAGE
- FENCING
- P — PARKING SPACE COUNT
- PARKING SPACE PAVEMENT STRIPING
- CONCRETE WHEEL STOPS
- HANDICAP PARKING SYMBOL
- PROJECT/DIRECTIONAL SIGNS

PROPOSED GRADING LEGEND:

- 147 — TOPOGRAPHIC CONTOUR
- 147.65 TC=147.57 BC=147.37 — TOPOGRAPHIC SPOT ELEVATION
- 0.50% — SLOPE & DIRECTION
- FFE =147.85 — FINISHED FIRST FLOOR ELEVATION
- EMERGENCY SPILLWAY
- STABILIZED SLOPES
- RIPRAP
- HIGH MARSH AREA
- LOW MARSH AREA
- MICRO POND AREA

PROPOSED DRAINAGE AND UTILITY LEGEND:

- SANITARY SEWER MANHOLE
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- FM — SANITARY SEWER FORCE MAIN
- STORM DRAINAGE MANHOLE
- STORM DRAINAGE INLET
- STORM HEADWALL
- STORM DRAINAGE PIPING
- W — WATER LINE
- G — GAS SERVICE LINE
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- PERFORATED UNDERDRAIN (W/ CLEANOUTS)
- FIRE HYDRANT

ABBREVIATIONS:

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TC = TOP OF CURB		R1-1 = STOP SIGN	
DC = DEPRESSED CURB		R6-1 = ONE WAY SIGN	
PT = POINT OF TANGENT		R4-7c = MEDIAN SIGN	
PC = POINT OF CURVE		SOE = TYPE E INLET	
S2B = TYPE B INLET		VB = VALVE BOX	
TP = TOP OF PIPE		WV = WATER VALVE	
TS = TOP OF STRUCTURE		GV = GAS VALVE	
UGS = UNDERGROUND STONE STORAGE		TW = TOP OF WALL	
		BW = BOTTOM OF WALL	
C.C. = CURB CUT		RIM = TOP OF MANHOLE	
STM = STORM SEWER		SAN = SANITARY SEWER	
MH = MANHOLE		INL = INLET	
OS = OUTLET STRUCTURE		HDWL = HEADWALL	

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
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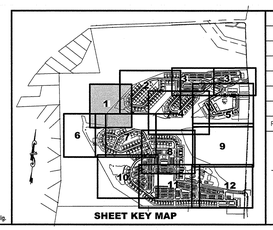
811 Know what's below. Call before you dig.



SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
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- Since 1894 -

SITE GRADING PLAN 1
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1"= 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No. 45051-410-21	FILE No. 203-A-1 203-B-1	SHEET No. CE-31
CHECKED BY BRP DATE 12/16/20	PAGE			

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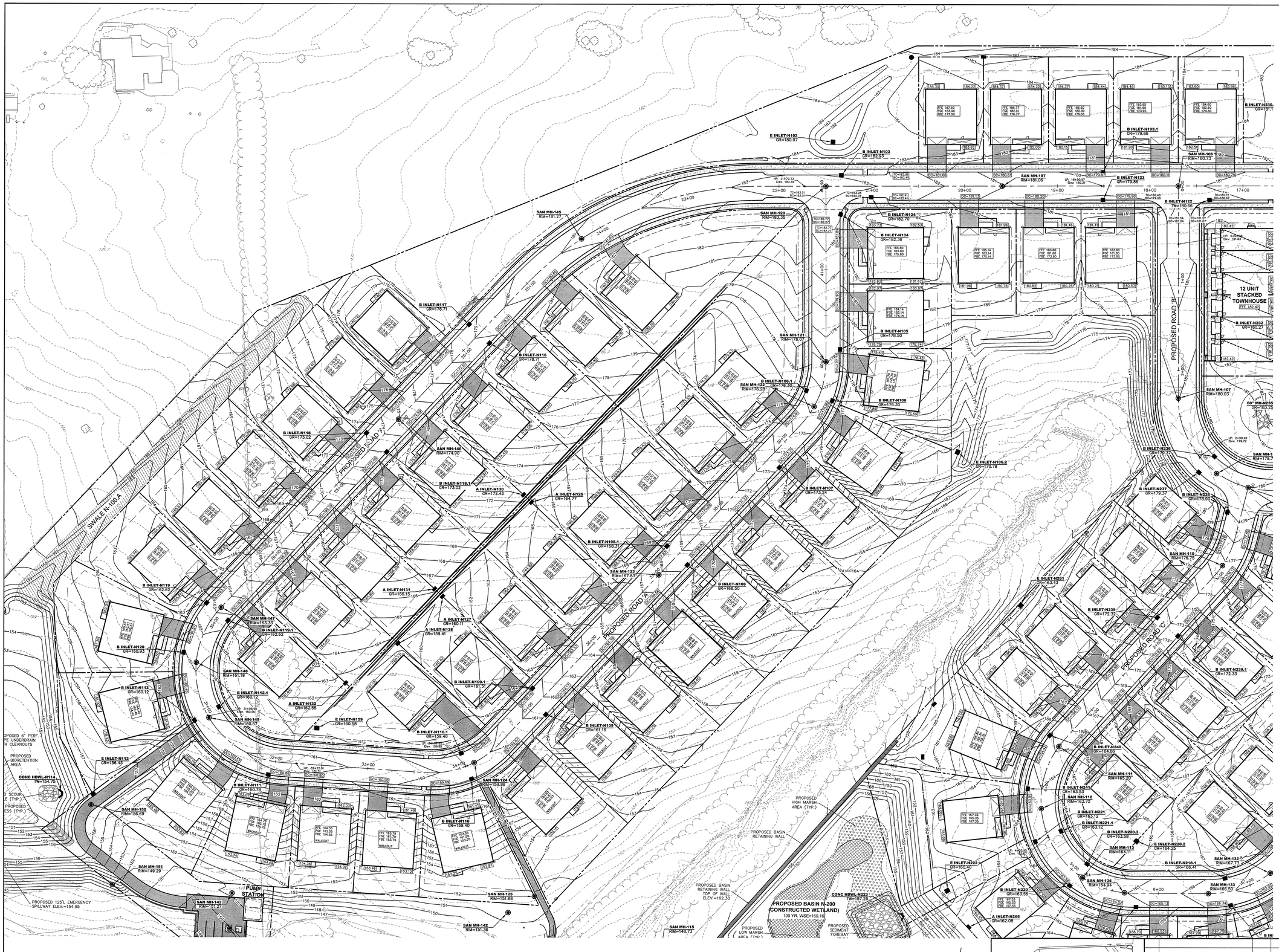

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SJB = TYPE B INLET		VB = VALVE BOX	
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1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
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- Since 1894 -

SITE GRADING PLAN 2
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1" = 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK	FIELD BK	ORDER No.	FILE No.	SHEET No.
DATE 12/16/20		45051-	203-A-1	CE-32
CHECKED BY BRP	PAGE		203-B-1	
DATE 12/16/20		410-21		

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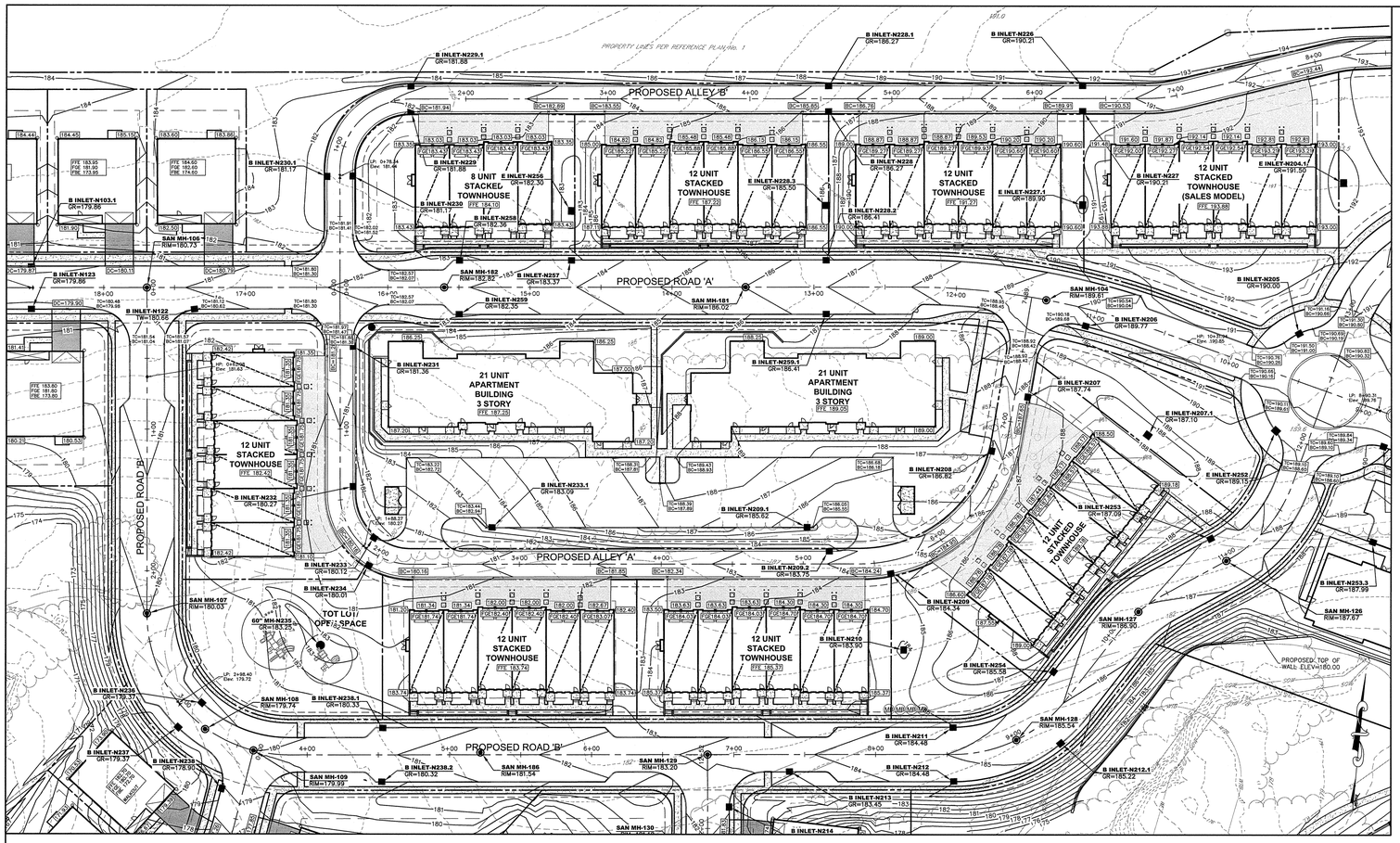

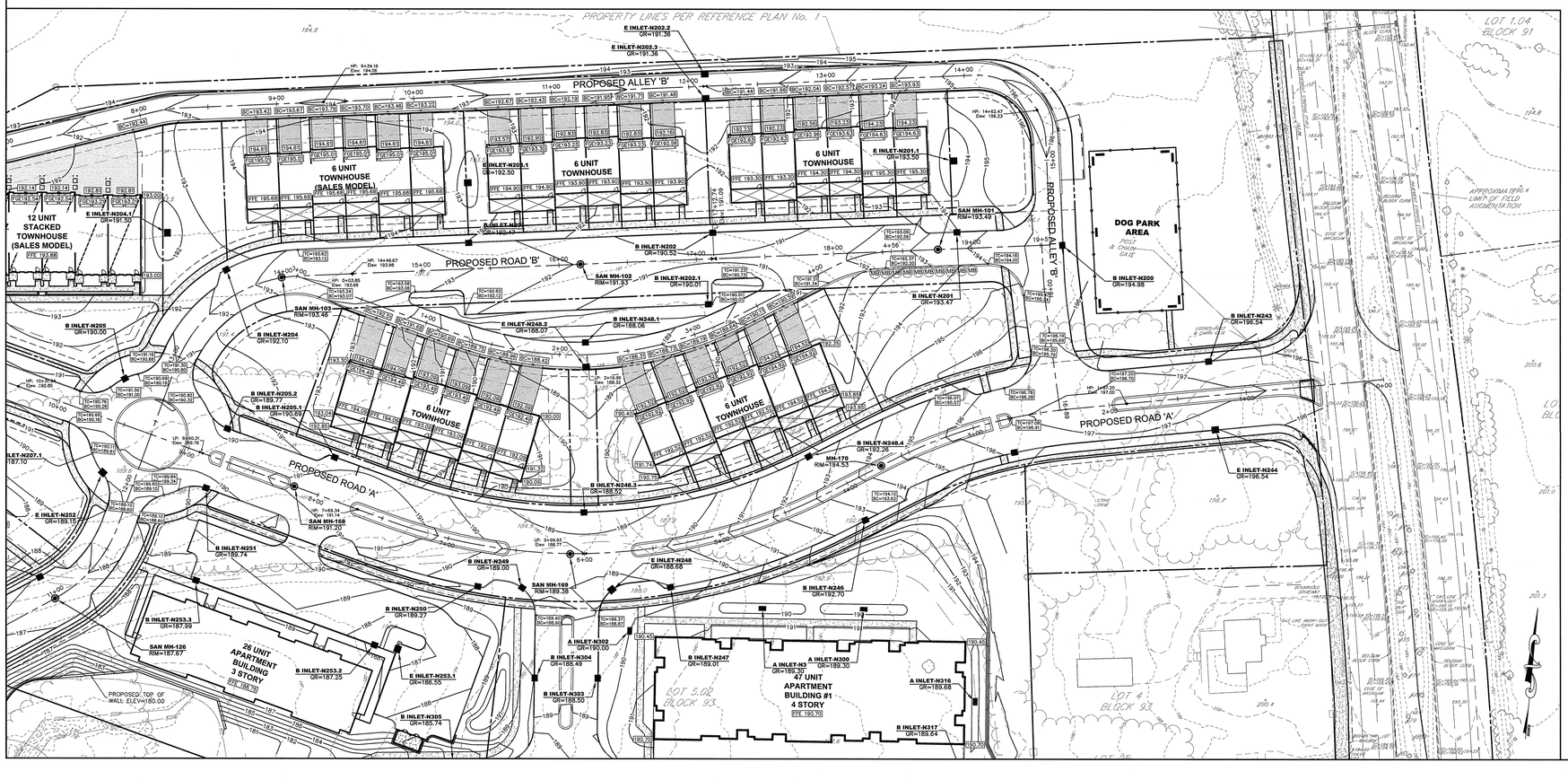

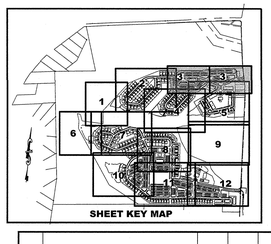

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STM	=	STORM SEWER	RIM	=	SANITARY SEWER
MH	=	MANHOLE	SAN	=	INLET
OS	=	OUTLET STRUCTURE	INL	=	HEADWALL

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SITE GRADING PLAN 3
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1" = 40' — DECEMBER 16, 2020

12/16/2020
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BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

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DATE 12/16/20		45051-410-21	203-A-1 203-B-1	CE-33
CHECKED BY BRP DATE 12/16/20	PAGE			

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PROPOSED ROAD 'B'

PROPOSED ROAD 'C'

PROPOSED ROAD 'A'

PROPOSED BASIN N-200 (CONSTRUCTED WETLAND) 100 YR. WSE=160.16

PROPOSED BASIN N-300 (BIORETENTION) 100 YR. WSE=169.81

COMMUNITY GARDEN

50 UNIT APARTMENT BUILDING 4 STORY

PROPOSED HIGH MARSH AREA (TYP.)

PROPOSED BASIN RETAINING WALL

PROPOSED BASIN RETAINING WALL TOP OF WALL ELEV.=162.30

PROPOSED LOW MARSH AREA (TYP.)

PROPOSED SEDIMENT FOREBAY (TYP.)

PROPOSED MICRO POND

PROPOSED 130'L EMERGENCY SPILLWAY ELEV.=160.20

PROPOSED SLOPE STABILIZATION (TYP.)

PROPOSED TOP OF BERM ELEV.=162.02

PROPOSED 6" PERF. HDPE UNDERDRAIN WITH CLEANOUTS

PROPOSED BIORETENTION AREA

PROPOSED SCOUR HOLE (TYP.)

PROPOSED BASIN RETAINING WALL TOP OF WALL ELEV.=171.67

PROPOSED TOP OF BERM ELEV.=171.57

PROPOSED 100'L EMERGENCY SPILLWAY ELEV.=169.85

PROPOSED SLOPE STABILIZATION (TYP.)

SAN MH-108 RIM=179.74
SAN MH-109 RIM=179.99
SAN MH-110 RIM=176.75
SAN MH-111 RIM=165.30
SAN MH-112 RIM=163.72
SAN MH-113 RIM=164.11
SAN MH-114 RIM=150.19
SAN MH-115 RIM=148.73
SAN MH-123 RIM=167.33
SAN MH-128 RIM=185.54
SAN MH-129 RIM=183.20
SAN MH-130 RIM=181.18
SAN MH-131 RIM=170.19
SAN MH-132 RIM=167.73
SAN MH-133 RIM=166.50
SAN MH-134 RIM=164.34
SAN MH-141 RIM=155.32
SAN MH-174 RIM=150.11
SAN MH-175 RIM=150.91
SAN MH-176 RIM=158.15
SAN MH-177 RIM=171.41
SAN MH-178 RIM=166.92
SAN MH-184 RIM=171.83
SAN MH-185 RIM=172.45
SAN MH-186 RIM=181.54

60" MH-N297 RIM=150.23
60" MH-N298 RIM=142.72
60" MH-N397 RIM=163.00
60" MH-N398 RIM=155.48

CONC HDWL-N223 TW=157.25
CONC HDWL-N299 TW=141.75
CONC HDWL-N313 TW=168.75
CONC HDWL-N331 TW=168.75
CONC HDWL-N399 TW=151.32

OS-N295 TW=162.20
OS-N395 TW=169.95

B INLET-N106.2 GR=170.78
B INLET-N107 GR=173.24
B INLET-N108 GR=162.50
B INLET-N211 GR=184.48
B INLET-N212 GR=184.48
B INLET-N212.1 GR=185.22
B INLET-N213 GR=183.65
B INLET-N214 GR=182.12
B INLET-N215 GR=179.18
B INLET-N216 GR=171.28
B INLET-N216.1 GR=171.32
B INLET-N217 GR=168.16
B INLET-N218 GR=166.40
B INLET-N218.1 GR=166.41
B INLET-N219 GR=164.71
B INLET-N220 GR=163.56
B INLET-N220.2 GR=164.25
B INLET-N220.3 GR=163.08
B INLET-N221 GR=163.12
B INLET-N221.1 GR=163.12
B INLET-N222 GR=160.40
B INLET-N230 GR=172.37
B INLET-N235 GR=179.37
B INLET-N236 GR=179.37
B INLET-N238.1 GR=180.33
B INLET-N238.2 GR=180.32
B INLET-N239 GR=178.91
B INLET-N239.1 GR=172.33
B INLET-N240 GR=164.86
B INLET-N241 GR=163.23
B INLET-N308 GR=175.91
B INLET-N310 GR=181.16
B INLET-N311 GR=180.77
B INLET-N312 GR=171.09
B INLET-N315 GR=181.87
B INLET-N329 GR=187.89
B INLET-N330 GR=172.78
E INLET-N251 GR=163.13
E INLET-N265 GR=162.09
A INLET-N264 GR=159.36
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DC=179.93 IE=177.87
DC=178.93 IE=177.73
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- PARKING SPACE PAVEMENT STRIPING
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- HANDICAP PARKING SYMBOL
- PROJECT/DIRECTIONAL SIGNS

PROPOSED GRADING LEGEND:

- 147 — TOPOGRAPHIC CONTOUR
- 147.66 TC=147.57 147.57 — TOPOGRAPHIC SPOT ELEVATION
- 0.50% — SLOPE & DIRECTION
- FFE =147.85 — FINISHED FIRST FLOOR ELEVATION
- EMERGENCY SPILLWAY
- STABILIZED SLOPES
- RIPRAP
- HIGH MARSH AREA
- LOW MARSH AREA
- MICRO POND AREA

PROPOSED DRAINAGE AND UTILITY LEGEND:

- SANITARY SEWER MANHOLE
- SANITARY SEWER PIPING
- FM — SANITARY SEWER FORCE MAIN
- STORM DRAINAGE MANHOLE
- STORM DRAINAGE INLET
- STORM HEADWALL
- STORM DRAINAGE PIPING
- W — WATER LINE
- G — GAS SERVICE LINE
- E/T/C — UNDERGROUND ELECTRIC/TELEPHONE/CATV
- PERFORATED UNDERDRAIN (W/ CLEANOUTS)
- FIRE HYDRANT

ABBREVIATIONS:

FG	= FINISHED GRADE	FC	= FLUSH CURB
GR	= TOP OF GRATE	F.F.E.	= FINISHED FIRST FLOOR
BC	= BOTTOM OF CURB	F.B.E.	= FINISHED BASEMENT FLOOR
TC	= TOP OF CURB	R1-1	= STOP SIGN
DC	= DEPRESSED CURB	R6-1	= ONE WAY SIGN
PT	= POINT OF TANGENT	R4-7a	= MEDIAN SIGN
PC	= POINT OF CURVE	S2E	= TYPE E INLET
S2B	= TYPE B INLET	VB	= VALVE BOX
TP	= TOP OF PIPE	WV	= WATER VALVE
TS	= TOP OF STRUCTURE	GV	= GAS VALVE
UGS	= UNDERGROUND STONE STORAGE	TW	= TOP OF WALL
		BW	= BOTTOM OF WALL
C.C.	= CURB CUT	RIM	= TOP OF MANHOLE
STM	= STORM SEWER	SAN	= SANITARY SEWER
MH	= MANHOLE	INL	= INLET
OS	= OUTLET STRUCTURE	HDWL	= HEADWALL

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

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

SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

van note-harvey associates, inc.
consulting engineers, planners & land surveyors
103 College Road East • Princeton, NJ 08540 • 609-987-2323
211 Bayberry Drive • Cape May Court House, NJ 08210 • 609-465-2600
www.vannoteharvey.com Certificate of Authorization No. 24GA28271300
van note-harvey associates - Since 1994 -

SITE GRADING PLAN 4
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1"= 40'
MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No. 45051-410-21	FILE No. 203-A-1 203-B-1	SHEET No. CE-34
CHECKED BY BRP DATE 12/16/20	PAGE			

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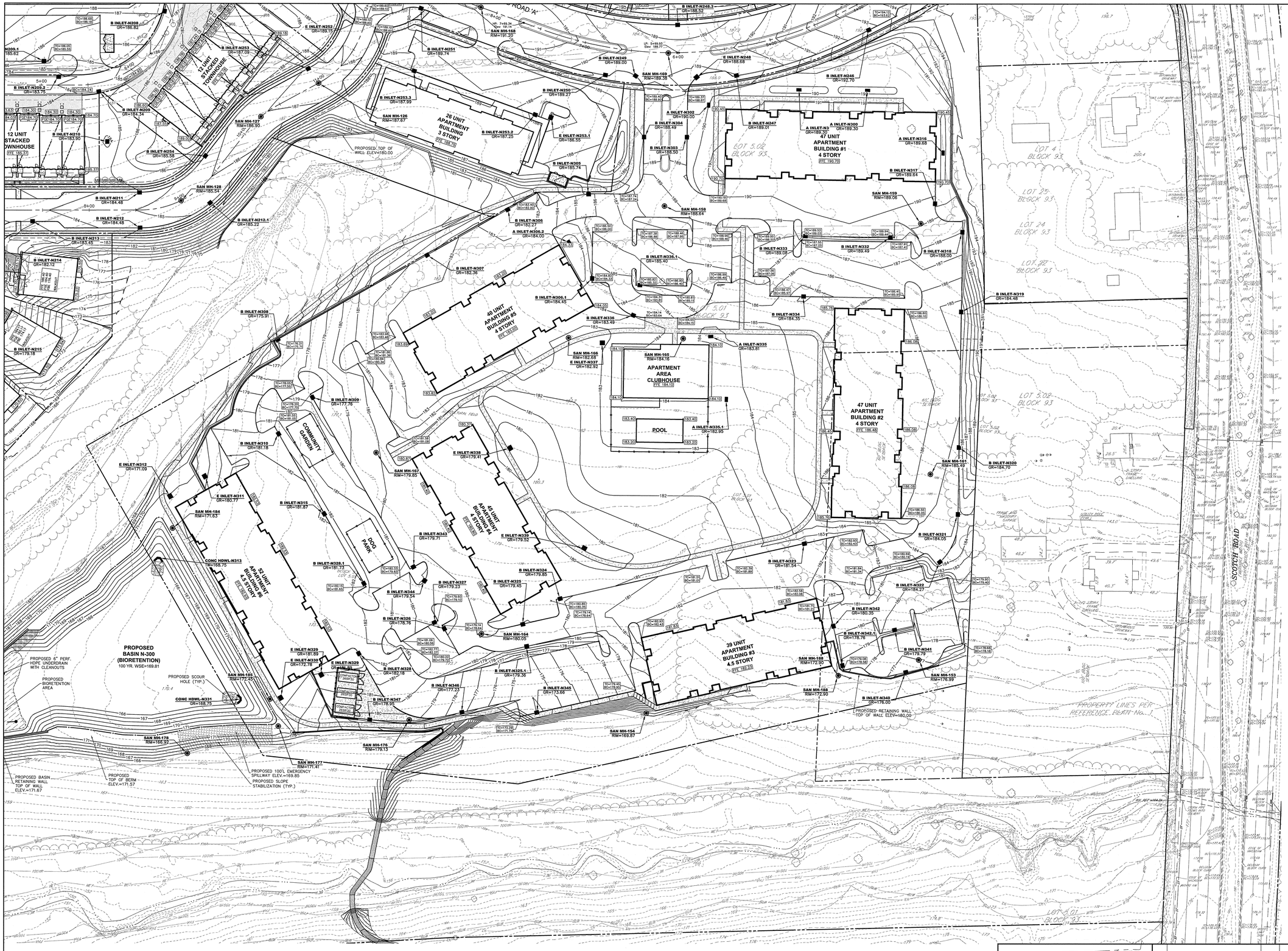

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 'D' INLET
- 'E' INLET
- 'A' INLET
- FLARED END SECTION
- WATER VALVE
- GUIDERAIL
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
- EDGE OF TRAIL
- TREELINE

ENVIRONMENTAL LEGEND

- WET — FRESHWATER WETLAND BOUNDARY
- WTB — WETLAND TRANSITION AREA BOUNDARY
- SGW — STATE OPEN WATER BOUNDARY
- RIPARIAN ZONE BOUNDARY
- FLOOD HAZARD BOUNDARY
- WATER EDGE
- 100 YEAR FLOODPLAIN BOUNDARY
- DRCC — DELAWARE & RARITAN CANAL COMMISSION STREAM CORRIDOR BOUNDARY
- SC — MUNICIPAL STREAM CORRIDOR BOUNDARY

PROPOSED LAYOUT LEGEND:

- CURB
- D.C. — DEPRESSED CURB
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- CONCRETE WALK
- BITUMINOUS WALKING PATH
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OS = OUTLET STRUCTURE		HDWL = HEADWALL	

GRAPHIC SCALE

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(IN FEET)
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REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
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SITE GRADING PLAN 5
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1"= 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No. 45051-21	FILE No. 203-A-1 203-B-1	SHEET No. CE-35
CHECKED BY BRP DATE 12/16/20	PAGE			

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LOT RESERVED
FOR FUTURE
DEVELOPMENT

SCOTCH ROAD
COUNTY ROUTE No. 641

BLOCK 93
LOT 1.02

LOT 1A, BLOCK 93
H.P. TRAVILLION FARMS INC

LOT 3, BLOCK 93
H.P. GEER VALLEY REALTY C/O CREST

LOT 3D, BLOCK 93
H.P. GEER VALLEY REALTY C/O CREST

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 feet

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

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OVERALL SITE GRADING PLAN SOUTH
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1"= 100'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK	FIELD BK	ORDER No.	FILE No.	SHEET No.
DATE 12/16/20			203-A-1	
CHECKED BY BRP	PAGE	45051-410-21	203-B-1	CE-36
DATE 12/16/20				

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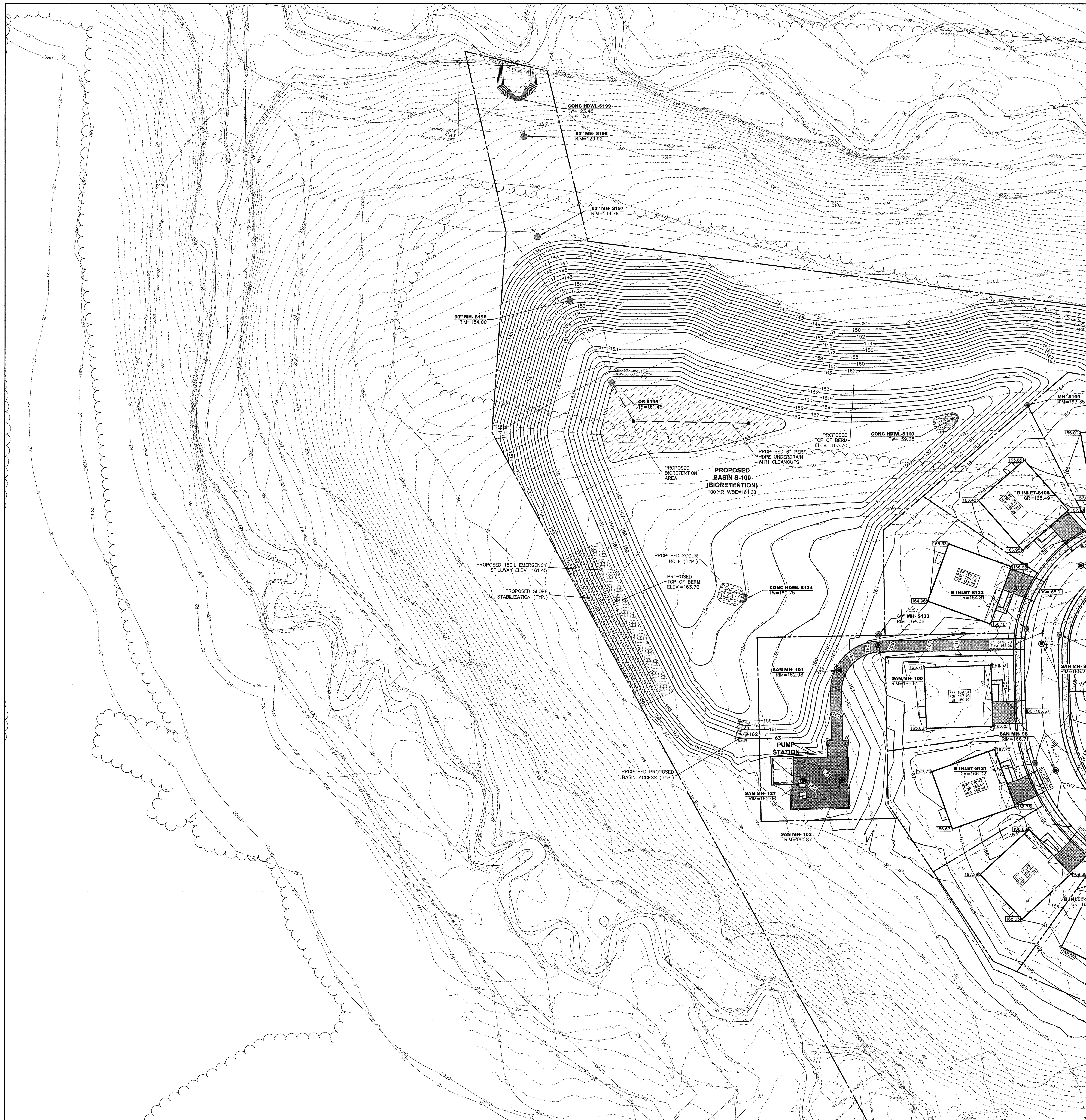

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 'B' INLET
- 'E' INLET
- 'A' INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- #25 TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
- EDGE OF TRAIL
- TREELINE

ENVIRONMENTAL LEGEND

- WET — FRESHWATER WETLAND BOUNDARY
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- STABILIZED BASIN ACCESS
- DRIVEWAYS
- POROUS PAVEMENT
- PEDESTRIAN BOARDWALK
- MB MAIL KIOSK
- TRAFFIC CONTROL SIGNAGE
- FENCING
- 18 PARKING SPACE COUNT
- PARKING SPACE PAVEMENT STRIPING
- CONCRETE WHEEL STOPS
- HANDICAP PARKING SYMBOL
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DC	=	DEPRESSED CURB	R6–1	=	ONE WAY SIGN
PT	=	POINT OF TANGENT	R4–7c	=	MEDIAN SIGN
PC	=	POINT OF CURVE	52E	=	TYPE E INLET
52B	=	TYPE B INLET	VB	=	VALVE BOX
TP	=	TOP OF PIPE	WV	=	WATER VALVE
TS	=	TOP OF STRUCTURE	GV	=	GAS VALVE
UGS	=	UNDERGROUND STONE STORAGE	TW	=	TOP OF WALL
			BW	=	BOTTOM OF WALL
C.C.	=	CURB CUT	RIM	=	TOP OF MANHOLE
STM	=	STORM SEWER	SAN	=	SANITARY SEWER
MH	=	MANHOLE	INL	=	INLET
OS	=	OUTLET STRUCTURE	HDWL	=	HEADWALL

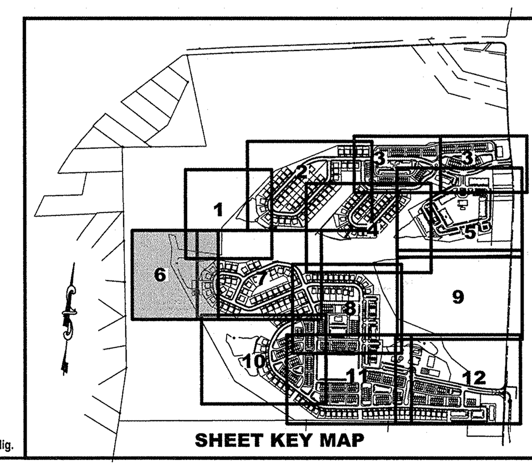
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

NORTH

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



SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

van note-harvey associates, inc.
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van note-harvey associates - Since 1894 -

SITE GRADING PLAN 6
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1"= 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051–410–21	203–A–1 203–B–1	CE-37

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LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 'D' INLET
- 'E' INLET
- 'A' INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
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ENVIRONMENTAL LEGEND

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- D.C. — DEPRESSED CURB
- MOUNTABLE CONCRETE CURB
- CONCRETE WALK
- BITUMINOUS WALKING PATH
- PEDESTRIAN STRIPED CROSSWALK
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- STABILIZED BASIN ACCESS
- DRIVEWAYS
- POROUS PAVEMENT
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- MB — MAIL KIOSK
- TRAFFIC CONTROL SIGNAGE
- FENCING
- PARKING SPACE COUNT
- PARKING SPACE PAVEMENT STRIPING
- CONCRETE WHEEL STOPS
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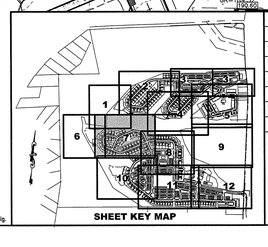

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SITE GRADING PLAN 7
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 40'
MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK	FIELD BK	ORDER No.	FILE No.	SHEET No.
DATE 12/16/20		45051-410-21	203-A-1 203-B-1	CE-38
CHECKED BY BRP DATE 12/16/20	PAGE			

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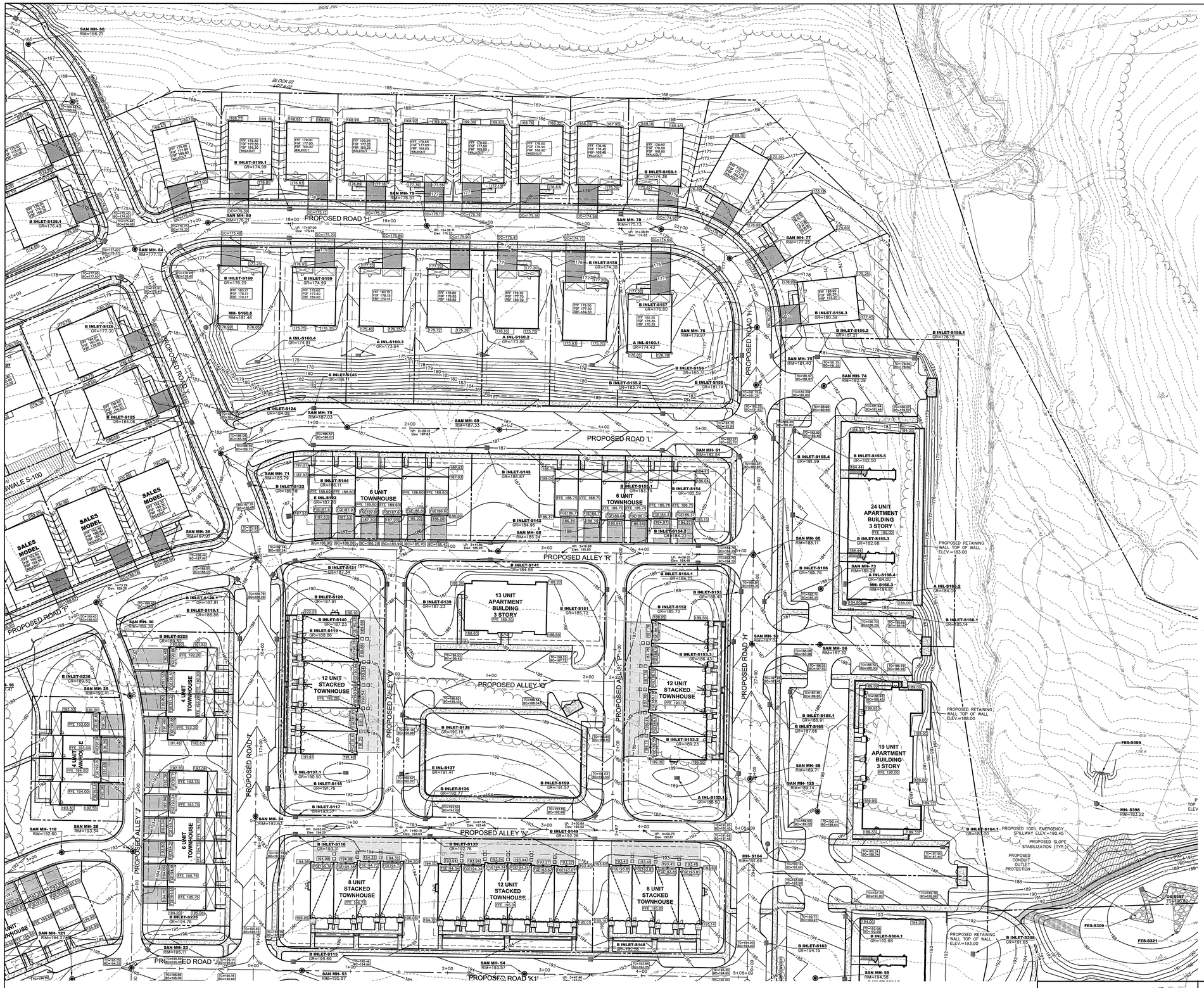

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- PERFORATED UNDERDRAIN (W/ CLEANOUTS)
- FIRE HYDRANT

ABBREVIATIONS:

FG = FINISHED GRADE		FC = FLUSH CURB	
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BC = BOTTOM OF CURB		F.B.E. = FINISHED BASEMENT FLOOR	
TC = TOP OF CURB		R1-1 = STOP SIGN	
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PT = POINT OF TANGENT		R4-7c = MEDIAN SIGN	
PC = POINT OF CURVE		S2E = TYPE E INLET	
S2B = TYPE B INLET		VB = VALVE BOX	
TP = TOP OF PIPE		WV = WATER VALVE	
TS = TOP OF STRUCTURE		GV = GAS VALVE	
UGS = UNDERGROUND STONE STORAGE		TW = TOP OF WALL	
		BW = BOTTOM OF WALL	
C.C. = CURB CUT		RIM = TOP OF MANHOLE	
STM = STORM SEWER		SAN = SANITARY SEWER	
MH = MANHOLE		INL = INLET	
OS = OUTLET STRUCTURE		HDWL = HEADWALL	

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

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

SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

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consulting engineers, planners & land surveyors
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211 Bayberry Drive • Cape May Court House, NJ 08210 • 609-465-2600
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van note-harvey associates - Since 1894 -

SITE GRADING PLAN 8
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1"= 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK	FIELD BK	ORDER No.	FILE No.	SHEET No.
DATE 12/16/20		45051-410-21	203-A-1 203-B-1	CE-39
CHECKED BY BRP DATE 12/16/20	PAGE			

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LOT RESERVED FOR FUTURE DEVELOPMENT

LOT 6.02
BLOCK 93

SCOTCH ROAD
(VARIABLE WIDTH)
COUNTY ROUTE #611
PER TAX MAP

100' BLDG. SETBACK

Agricultural Field

BARN
HOUSE

SHED

WELL

CONCRETE PADS

CONC. WALK

STONE DRIVEWAY

2-1/2 STORY FRAME DWELLING

UTILITY POLE (TYP.)

PROPOSED STONE LOW FLOW CHANNEL (TYP.) (SEE DETAIL)

PROPOSED TOP OF BERM

CONCRETE MONUMENT

CAPPED IRON PIPE

LOT 6.01
BLOCK 93

EDGE OF MACADAM

BELGIAN BLOCK CURB

HIGH BUTTON FOR GREEN SIGN "SIGN 1" 4' GSMC BASE

SIGNS

LOCATION OF "SIGN 4" VERTICAL BRAND SURFACE

6" GAS LINE MARK-OUT

SOUTON ROAD

SANITARY MH RIM=185.03

STR. MH SIGN

CB-S LINE

HYDRANT

DIRECTIONAL TRAFFIC SIGN

WOOD UTILITY POLE

TRAFFIC LIGHT POST (TYP.) BASE BASE

DIRECTIONAL TRAFFIC SIGN

SPEED LIMIT 45 TRAFFIC SIGN

ASPHALT SWALE

PAVEMENT EDGE (TYP.)

WOODED VEGETATION LINE

BELGIAN BLOCK CURB

ASPHALT SWALE

ASPHALT SWALE

EDGE OF MACADAM

BELGIAN BLOCK CURB

RIGHT-OF-WAY

EDGE OF MACADAM

BELGIAN BLOCK CURB

DIRECTIONAL TRAFFIC SIGN

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- "S" INLET
- "C" INLET
- "A" INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
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- TREELINE

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- 147.66X — TOPOGRAPHIC SPOT ELEVATION (TC=147.87 BC=147.37)
- 0.50% — SLOPE & DIRECTION
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SITE GRADING PLAN 9
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-40

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LEGEND:

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- STORM DRAIN MANHOLE
- "B" INLET
- "E" INLET
- "A" INLET
- FLARED END SECTION
- WATER VALVE
- GUARDRAIL
- FIRE HYDRANT
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SITE GRADING PLAN 10
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 40'
MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK	FIELD BK	ORDER No.	FILE No.	SHEET No.
DATE 12/16/20		45051–410–21	203–A–1 203–B–1	CE-41
CHECKED BY BRP DATE 12/16/20	PAGE			

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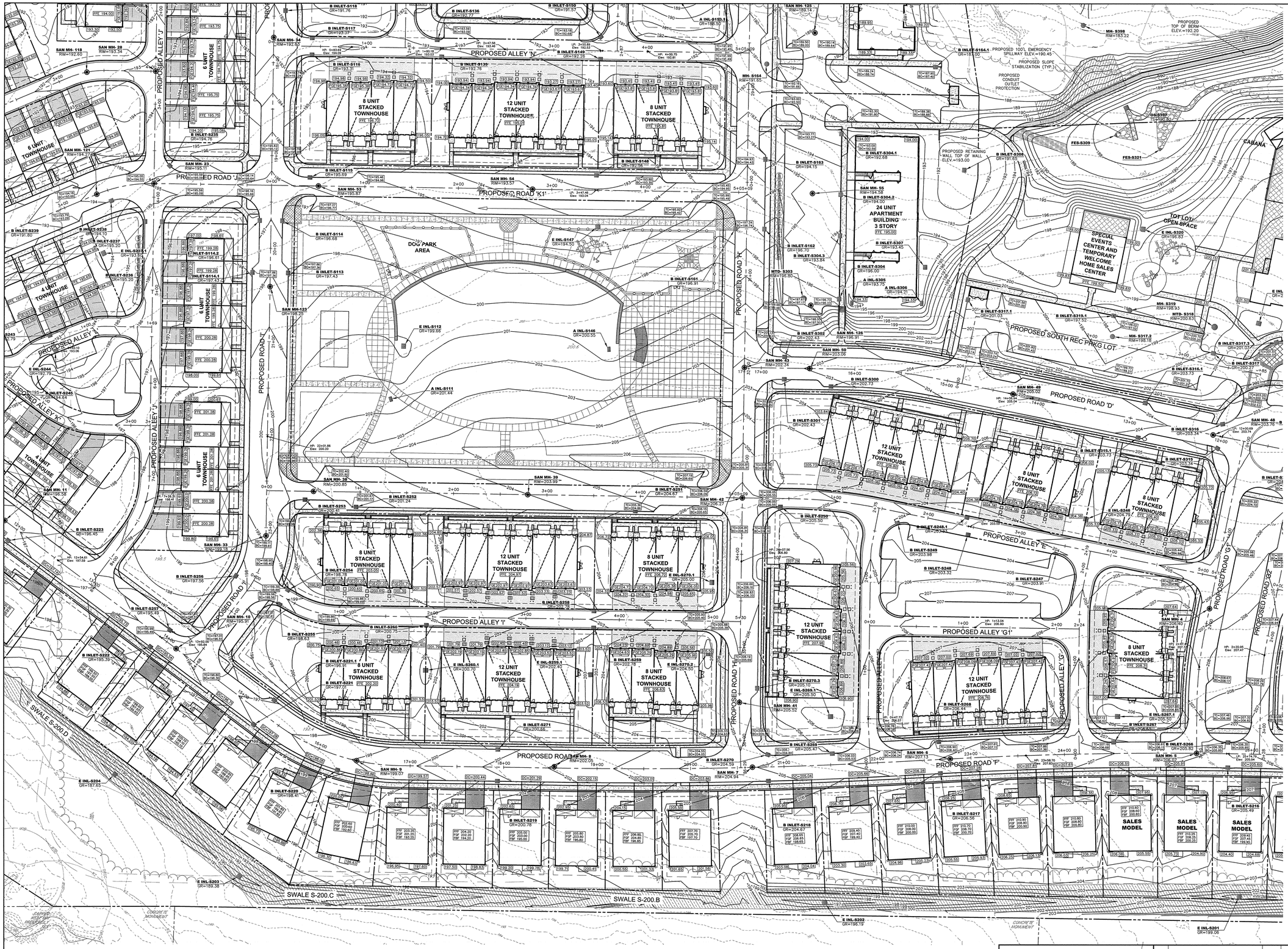

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 'M' INLET
- 'S' INLET
- 'A' INLET
- FLARED END SECTION
- WATER VALVE
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SITE GRADING PLAN 11
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1"= 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No. 45051–410–21	FILE No. 203–A–1 203–B–1	SHEET No. CE-42
CHECKED BY BRP DATE 12/16/20	PAGE			

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- CLEANOUT
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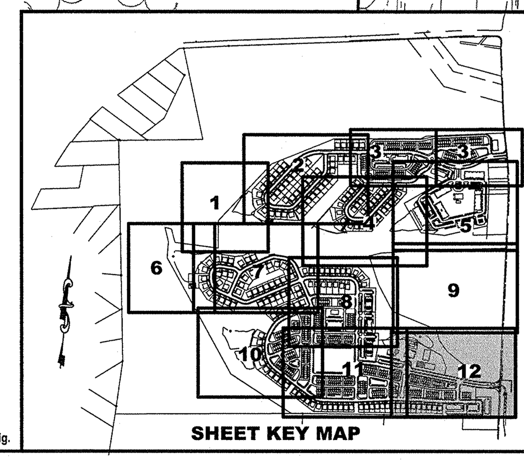

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SITE GRADING PLAN 12
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1"= 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-43

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LOT RESERVED
FOR FUTURE
DEVELOPMENT

SCOTCH ROAD
COUNTY ROUTE No. 641
R.O.W. WIDTH VARIES

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 feet

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

van note-harvey associates, inc.
consulting engineers, planners & land surveyors
103 College Road East ● Princeton, NJ 08540 ● 609-987-2323
211 Bayberry Drive ● Cape May Court House, NJ 08210 ● 609-465-2600
www.vannoteharvey.com Certificate of Authorization No. 24GA28271300
vvh van note-harvey associates - Since 1994 -

OVERALL SITE DRAINAGE PLAN NORTH
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 100'
MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK	FIELD BK	ORDER No.	FILE No.	SHEET No.
DATE 12/16/20		45051-410-21	203-A-1 203-B-1	CE-44
CHECKED BY BRP	PAGE			
DATE 12/16/20				

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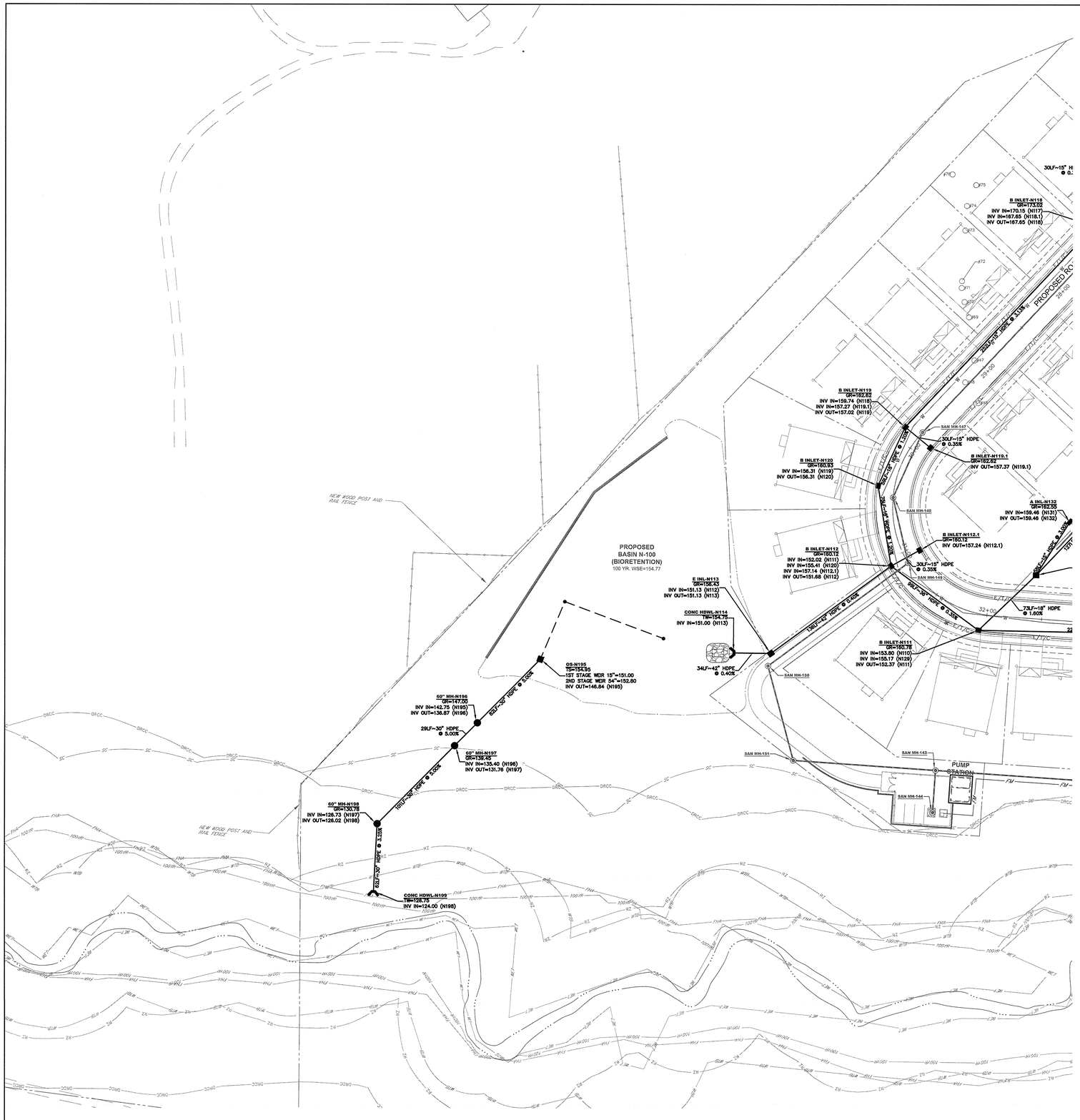

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- "D" INLET
- "I" INLET
- "A" INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
- EDGE OF TRAIL
- TREELINE

ENVIRONMENTAL LEGEND

- WET — FRESHWATER WETLAND BOUNDARY
- WTB — WETLAND TRANSITION AREA BOUNDARY
- SGB — STATE OPEN WATER BOUNDARY
- RZ — RIPARIAN ZONE BOUNDARY
- FHA — FLOOD HAZARD BOUNDARY
- WATER EDGE
- 100YR — 100 YEAR FLOODPLAIN BOUNDARY
- DRCC — DELAWARE & RARITAN CANAL COMMISSION STREAM CORRIDOR BOUNDARY
- SC — MUNICIPAL STREAM CORRIDOR BOUNDARY

PROPOSED LAYOUT LEGEND:

- CURB
- D.C. — DEPRESSED CURB
- MOUNTABLE CONCRETE CURB
- CONCRETE WALK
- BITUMINOUS WALKING PATH
- PEDESTRIAN STRIPED CROSSWALK
- DECORATIVE PAVERS
- STABILIZED BASIN ACCESS
- DRIVEWAYS
- POROUS PAVEMENT
- PEDESTRIAN BOARDWALK
- MB — MAIL KIOSK
- TRAFFIC CONTROL SIGNAGE
- FENCING
- PARKING SPACE COUNT
- PARKING SPACE PAVEMENT STRIPING
- CONCRETE WHEEL STOPS
- HANDICAP PARKING SYMBOL
- PROJECT/DIRECTIONAL SIGNS

PROPOSED GRADING LEGEND:

- 147 — TOPOGRAPHIC CONTOUR
- 147.65x — TC=147.87 BC=147.37x — TOPOGRAPHIC SPOT ELEVATION
- 0.50% — SLOPE & DIRECTION
- FFE =147.85 — FINISHED FIRST FLOOR ELEVATION
- EMERGENCY SPILLWAY
- STABILIZED SLOPES
- RIPRAP
- HIGH MARSH AREA
- LOW MARSH AREA
- MICRO POND AREA

PROPOSED DRAINAGE AND UTILITY LEGEND:

- SANITARY SEWER MANHOLE
- SANITARY SEWER PIPING
- FM — SANITARY SEWER FORCE MAIN
- STORM DRAINAGE MANHOLE
- STORM DRAINAGE INLET
- STORM HEADWALL
- STORM DRAINAGE PIPING
- W — WATER LINE
- G — GAS SERVICE LINE
- E/T/C — UNDERGROUND ELECTRIC/TELEPHONE/CATV
- PERFORATED UNDERDRAIN (W/ CLEANOUTS)
- FIRE HYDRANT

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DC = DEPRESSED CURB	R6-1 = ONE WAY SIGN		
PT = POINT OF TANGENT	R4-7c = MEDIAN SIGN		
PC = POINT OF CURVE	SCE = TYPE E INLET		
S2B = TYPE B INLET	VB = VALVE BOX		
TP = TOP OF PIPE	WV = WATER VALVE		
TS = TOP OF STRUCTURE	GV = GAS VALVE		
UGS = UNDERGROUND STONE STORAGE	TW = TOP OF WALL		
	BW = BOTTOM OF WALL		
C.C. = CURB CUT	RIM = TOP OF MANHOLE		
STM = STORM SEWER	SAN = SANITARY SEWER		
MH = MANHOLE	INL = INLET		
OS = OUTLET STRUCTURE	HDWL = HEADWALL		

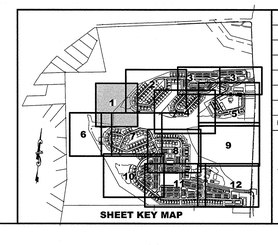
SOIL EROSION AND SEDIMENT CONTROL LEGEND:

- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- TP — TREE PROTECTION
- INLET PROTECTION
- SEDIMENT BASIN RISER
- STONE CONSTRUCTION ENTRANCE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet



SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
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211 Bayberry Drive • Cape May Court House, NJ 08210 • 609-465-2600
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van note-harvey associates - Since 1894 -

SITE DRAINAGE PLAN 1
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1"= 40'
MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No. 45051-410-21	FILE No. 203-A-1 203-B-1	SHEET No. CE-45
CHECKED BY BRP DATE 12/16/20	PAGE			

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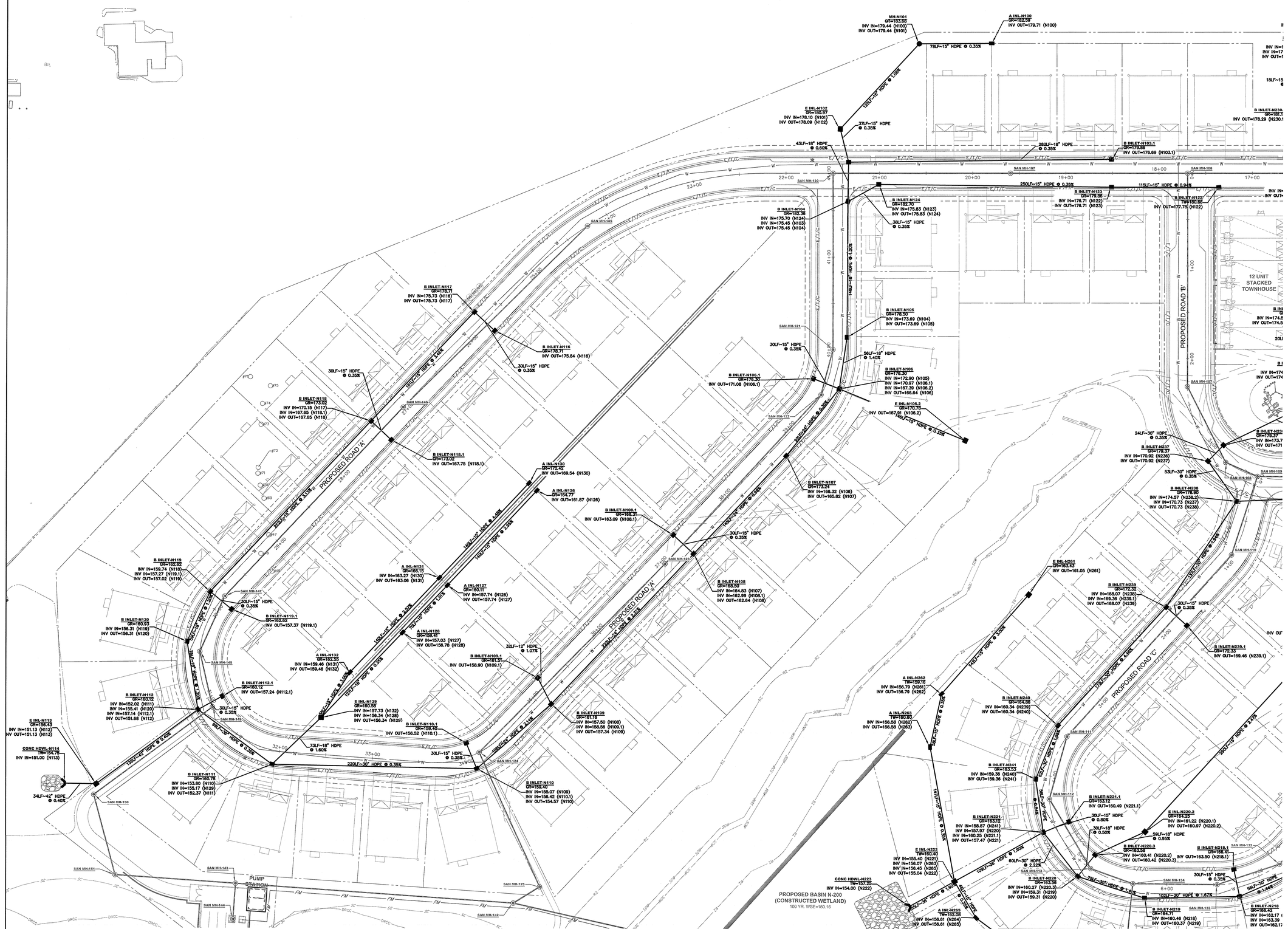

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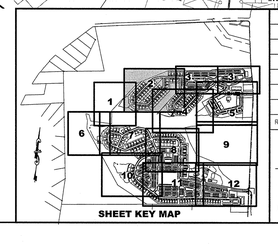
(IN FEET)
1 inch = 40 feet



SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

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van note-harvey associates
- Since 1894 -

SITE DRAINAGE PLAN 2
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-46

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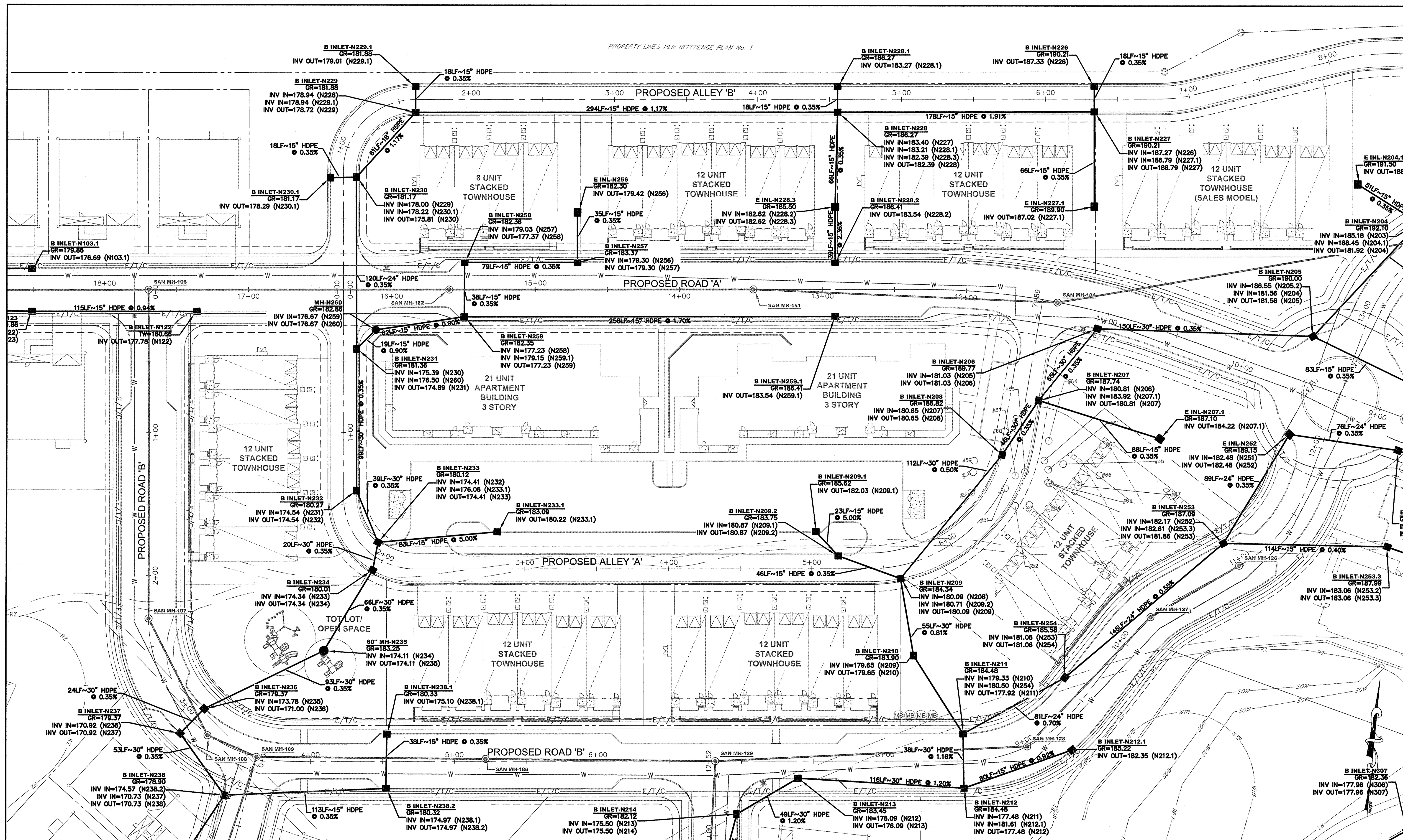

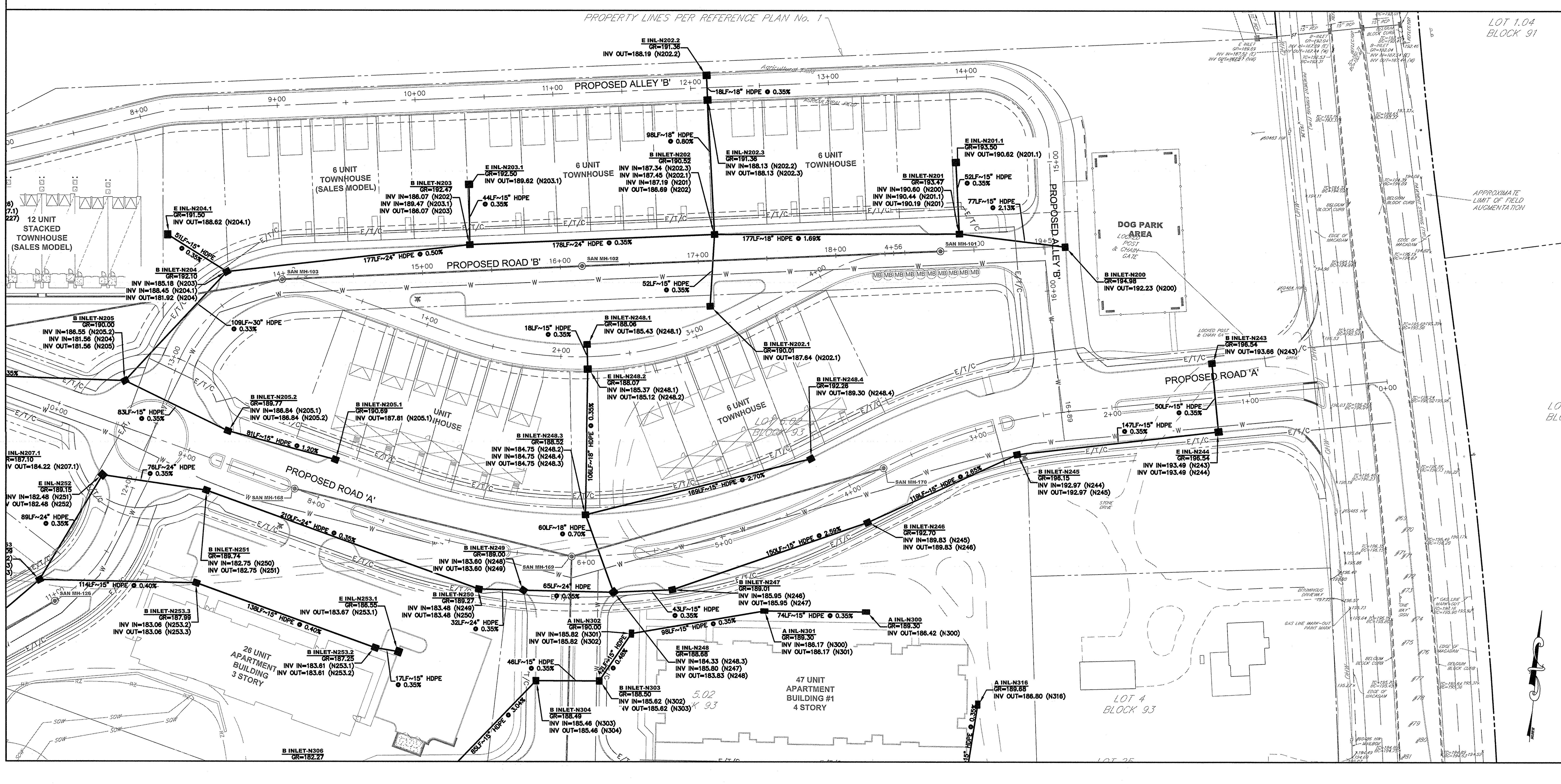

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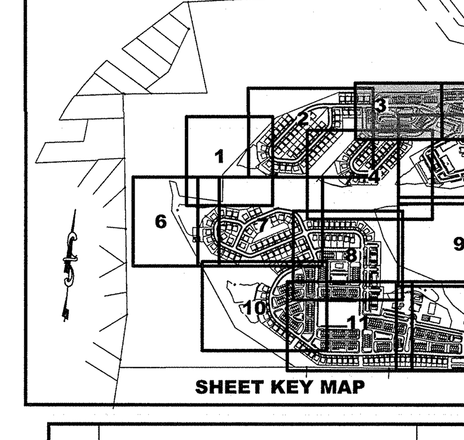

SHEET KEY MAP

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

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SITE DRAINAGE PLAN 3
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1"= 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-47

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PROPOSED ROAD 'B' 6+00

PROPOSED ROAD 'C' 2+00

PROPOSED ROAD 'C' 4+00

PROPOSED ROAD 'C' 6+00

PROPOSED BASIN N-200
(CONSTRUCTED WETLAND)
100 YR. WSE=160.16

PROPOSED
BASIN N-300
(BIORETENTION)
100 YR. WSE=169.81

COMMUNITY GARDEN

52 UNIT APARTMENT BUILDING 4 STORY

B INLET-N238
GR=176.00
INV IN=174.57 (N238.2)
INV IN=170.73 (N237)
INV OUT=170.73 (N236)

B INLET-N238.2
GR=180.32
INV IN=174.97 (N238.1)
INV OUT=174.97 (N238.2)

B INLET-N214
GR=182.12
INV IN=175.50 (N213)
INV OUT=175.50 (N214)

B INLET-N213
GR=183.45
INV IN=178.09 (N212)
INV OUT=178.09 (N213)

B INLET-N212
GR=184.48
INV IN=177.48 (N211)
INV IN=181.61 (N212.1)
INV OUT=177.48 (N212)

B INLET-N212.1
GR=185.22
INV OUT=182.35 (N212.1)

B INLET-N308
GR=175.91
INV IN=172.74 (N307)
INV OUT=172.24 (N308)

B INLET-N216.1
GR=171.33
INV OUT=165.45 (N216.1)

B INLET-N216
GR=171.28
INV IN=166.69 (N215)
INV IN=168.34 (N216.1)
INV OUT=166.69 (N216)

B INLET-N215
GR=179.18
INV IN=174.35 (N214)
INV OUT=174.03 (N215)

B INLET-N239
GR=172.32
INV IN=168.07 (N238)
INV IN=169.26 (N239.1)
INV OUT=168.07 (N239)

B INLET-N239.1
INV OUT=169.46 (N239.1)

E INL-N220.1
GR=171.25
INV OUT=168.39 (N220.1)

B INLET-N240
GR=164.38
INV IN=160.34 (N239)
INV OUT=160.34 (N240)

B INLET-N241
GR=163.53
INV IN=159.36 (N240)
INV OUT=159.36 (N241)

B INLET-N221.1
GR=163.12
INV OUT=160.49 (N221.1)

B INLET-N221
GR=163.12
INV IN=156.87 (N241)
INV IN=157.97 (N220)
INV IN=160.25 (N221.1)
INV OUT=157.47 (N221)

E INL-N220.2
GR=164.25
INV IN=161.22 (N220.1)
INV OUT=160.97 (N220.2)

B INLET-N220.3
GR=163.58
INV IN=160.41 (N220.2)
INV OUT=160.42 (N220.3)

B INLET-N218.1
GR=166.41
INV OUT=163.50 (N218.1)

B INLET-N217
GR=168.18
INV IN=163.91 (N216)
INV IN=163.91 (N217)

B INLET-N217.1
GR=167.28
INV IN=162.95 (N217)
INV IN=162.98 (N217.1)

B INLET-N218
GR=165.42
INV IN=162.17 (N217.1)
INV IN=163.39 (N218.1)
INV IN=162.17 (N216)

B INLET-N219
GR=164.7
INV IN=160.46 (N218)
INV OUT=160.37 (N219)

B INLET-N220
GR=163.38
INV IN=160.27 (N220.3)
INV IN=159.31 (N219)
INV OUT=159.31 (N220)

E INL-N222
TW=160.40
INV IN=155.40 (N221)
INV IN=156.07 (N263)
INV IN=156.45 (N265)
INV OUT=155.04 (N222)

CONC HDWL-N223
TW=157.25
INV IN=154.00 (N222)

A INL-N263
TW=160.00
INV IN=156.58 (N262)
INV OUT=156.58 (N263)

A INL-N262
TW=159.16
INV IN=156.79 (N261)
INV OUT=156.79 (N262)

E INL-N261
GR=163.43
INV OUT=161.05 (N261)

A INL-N265
TW=162.06
INV IN=156.61 (N264)
INV OUT=156.61 (N265)

A INL-N264
TW=160.36
INV OUT=156.99 (N264)

OS-N295
TS=160.20
1ST STAGE ORIFICE 3.5"=154.50
2ND STAGE WEIR 36.0"=156.50
3RD STAGE WEIR 54.0"=157.90
INV OUT=150.12 (N295)

60" MH-N297
TW=150.23
INV IN=145.48 (N296)
INV OUT=143.38 (N297)

60" MH-N298
TW=142.72
INV IN=138.37 (N297)
INV OUT=138.37 (N298)

CONC HDWL-N299
TW=141.75
INV IN=137.00 (N298)

OS-N396
TS=169.35
1ST STAGE WEIR 10"=166.00
2ND STAGE WEIR 40"=167.65
INV OUT=161.83 (N396)

60" MH-N397
GR=183.00
INV IN=159.88 (N396)
INV OUT=155.72 (N397)

60" MH-N398
GR=155.26
INV IN=152.01 (N397)
INV OUT=152.01 (N398)

CONC HDWL-N399
TW=151.52
INV IN=146.00 (N398)

E INL-N311
GR=170.77
INV IN=170.98 (N310)
INV OUT=166.77 (N311)

E INL-N312
GR=171.06
INV IN=166.47 (N311)
INV OUT=166.47 (N312)

CONC HDWL-N313
TW=164.75
INV IN=166.00 (N312)

B INLET-N328
GR=182.18
INV IN=178.23 (N328.1)
INV IN=169.39 (N327)
INV OUT=169.39 (N328)

E INL-N329
GR=181.99
INV IN=169.23 (N328)
INV IN=169.36 (N347)
INV OUT=166.65 (N329)

E INL-N330
TW=168.75
INV IN=166.00 (N330)

E INL-N330
INV OUT=168.30

B INLET-N
INV OUT=178.85

OS-N1
TS=168.1)

B INLET-N107
GR=173.24
INV IN=166.32 (N106)
INV OUT=165.82 (N107)

B INLET-N108
GR=168.50
INV IN=164.83 (N107)
INV IN=162.99 (N108.1)
INV OUT=162.64 (N108)

SAN MH-105
SAN MH-106
SAN MH-107
SAN MH-108
SAN MH-109
SAN MH-110
SAN MH-111
SAN MH-112
SAN MH-113
SAN MH-114
SAN MH-115
SAN MH-120
SAN MH-121
SAN MH-122
SAN MH-123
SAN MH-129
SAN MH-131
SAN MH-132
SAN MH-133
SAN MH-134
SAN MH-135
SAN MH-174
SAN MH-175
SAN MH-176
SAN MH-177
SAN MH-178
SAN MH-184
SAN MH-185
SAN MH-441

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 3" INLET
- 2" INLET
- ¼" INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
- EDGE OF TRAIL
- TREELINE

ENVIRONMENTAL LEGEND

- WET — FRESHWATER WETLAND BOUNDARY
- WTB — WETLAND TRANSITION AREA BOUNDARY
- SGW — STATE OPEN WATER BOUNDARY
- RZ — RIPARIAN ZONE BOUNDARY
- FHA — FLOOD HAZARD BOUNDARY
- WTR — WATER EDGE
- 100YR — 100 YEAR FLOODPLAIN BOUNDARY
- DRCC — DELAWARE & RARITAN CANAL COMMISSION STREAM CORRIDOR BOUNDARY
- SC — MUNICIPAL STREAM CORRIDOR BOUNDARY

PROPOSED LAYOUT LEGEND:

- CURB
- D/C — DEPRESSED CURB
- MOUNTABLE CONCRETE CURB
- CONCRETE WALK
- BITUMINOUS WALKING PATH
- PEDESTRIAN STRIPED CROSSWALK
- DECORATIVE PAVERS
- STABILIZED BASIN ACCESS
- DRIVEWAYS
- POROUS PAVEMENT
- PEDESTRIAN BOARDWALK
- MB — MAIL KIOSK
- TRAFFIC CONTROL SIGNAGE
- FENCING
- P — PARKING SPACE COUNT
- PARKING SPACE PAVEMENT STRIPING
- CONCRETE WHEEL STOPS
- HANDICAP PARKING SYMBOL
- PROJECT/DIRECTIONAL SIGNS

PROPOSED GRADING LEGEND:

- 147 — TOPOGRAPHIC CONTOUR
- 147.66 TC=147.87 BC=147.57 — TOPOGRAPHIC SPOT ELEVATION
- 0.50% — SLOPE & DIRECTION
- FFE =147.85 — FINISHED FIRST FLOOR ELEVATION
- EMERGENCY SPILLWAY
- STABILIZED SLOPES
- RIPRAP
- HIGH MARSH AREA
- LOW MARSH AREA
- MICRO POND AREA

PROPOSED DRAINAGE AND UTILITY LEGEND:

- SANITARY SEWER MANHOLE
- SANITARY SEWER PIPING
- FM — SANITARY SEWER FORCE MAIN
- STORM DRAINAGE MANHOLE
- STORM DRAINAGE INLET
- STORM HEADWALL
- STORM DRAINAGE PIPING
- W — WATER LINE
- G — GAS SERVICE LINE
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- PERFORATED UNDERDRAIN (W/ CLEANOUTS)
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ABBREVIATIONS:

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DC = DEPRESSED CURB		R6-1 = ONE WAY SIGN	
PT = POINT OF TANGENT		R4-7c = MEDIAN SIGN	
PC = POINT OF CURVE		SOE = TYPE E INLET	
52B = TYPE B INLET		VB = VALVE BOX	
TP = TOP OF PIPE		WV = WATER VALVE	
TS = TOP OF STRUCTURE		GV = GAS VALVE	
UGS = UNDERGROUND STONE STORAGE		TW = TOP OF WALL	
C.C. = CURB CUT		BW = BOTTOM OF WALL	
STM = STORM SEWER		RIM = TOP OF MANHOLE	
MH = MANHOLE		SAN = SANITARY SEWER	
OS = OUTLET STRUCTURE		INL = INLET	
		HDWL = HEADWALL	

SOIL EROSION AND SEDIMENT CONTROL LEGEND:

- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- TP — TREE PROTECTION
- INLET PROTECTION
- SEDIMENT BASIN RISER
- STONE CONSTRUCTION ENTRANCE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

van note-harvey associates, inc.
consulting engineers, planners & land surveyors
103 College Road East ● Princeton, NJ 08540 ● 609-987-2323
211 Bayberry Drive ● Cape May Court House, NJ 08210 ● 609-465-2600
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- Since 1894 -

SITE DRAINAGE PLAN 4
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1"= 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-48

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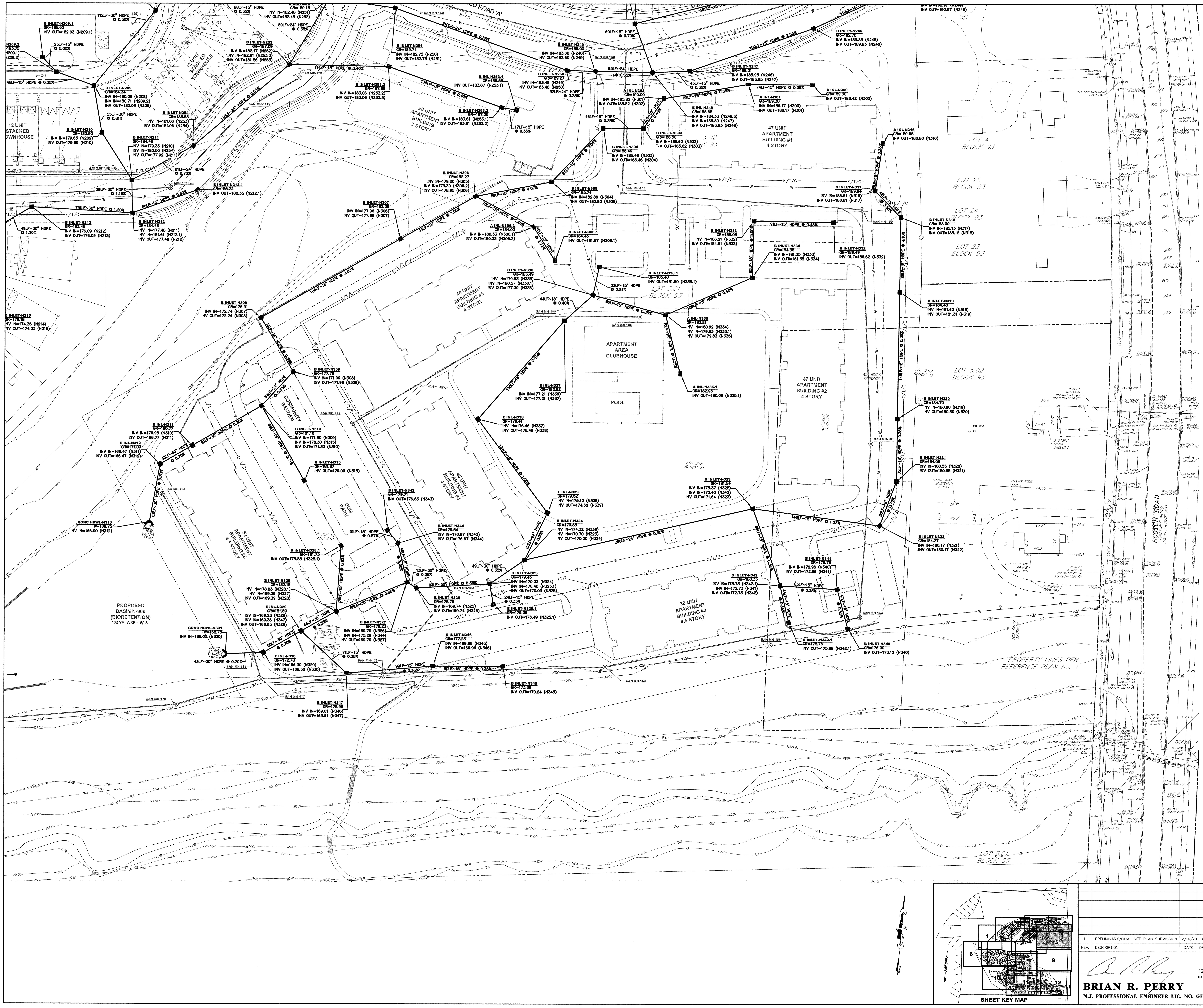

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 'B' INLET
- 'E' INLET
- 'A' INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
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- CURB
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ENVIRONMENTAL LEGEND

- FRESHWATER WETLAND BOUNDARY
- WETLAND TRANSITION AREA BOUNDARY
- STATE OPEN WATER BOUNDARY
- RIPARIAN ZONE BOUNDARY
- FLOOD HAZARD BOUNDARY
- WATER EDGE
- 100 YEAR FLOODPLAIN BOUNDARY
- DELAWARE & RARITAN CANAL COMMISSION STREAM CORRIDOR BOUNDARY
- MUNICIPAL STREAM CORRIDOR BOUNDARY

PROPOSED LAYOUT LEGEND:

- CURB
- DEPRESSED CURB
- MOUNTABLE CONCRETE CURB
- CONCRETE WALK
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- PEDESTRIAN STRIPED CROSSWALK
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- TRAFFIC CONTROL SIGNAGE
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PROPOSED DRAINAGE AND UTILITY LEGEND:

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- FM — SANITARY SEWER FORCE MAIN
- STORM DRAINAGE MANHOLE
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- STORM HEADWALL
- STORM DRAINAGE PIPING
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DC	= DEPRESSED CURB	R6-1	= ONE WAY SIGN
PT	= POINT OF TANGENT	R4-7c	= MEDIAN SIGN
PC	= POINT OF CURVE	52E	= TYPE E INLET
52B	= TYPE B INLET	VB	= VALVE BOX
TP	= TOP OF PIPE	WV	= WATER VALVE
TS	= TOP OF STRUCTURE	GV	= GAS VALVE
UGS	= UNDERGROUND STONE STORAGE	TW	= TOP OF WALL
		BW	= BOTTOM OF WALL
C.C.	= CURB CUT	RIM	= TOP OF MANHOLE
STM	= STORM SEWER	SAN	= SANITARY SEWER
MH	= MANHOLE	INL	= INLET
OS	= OUTLET STRUCTURE	HDWL	= HEADWALL

SOIL EROSION AND SEDIMENT CONTROL LEGEND:

- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- TP — TREE PROTECTION
- INLET PROTECTION
- SEDIMENT BASIN RISER
- STONE CONSTRUCTION ENTRANCE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
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SITE DRAINAGE PLAN 5
OF
NORTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1"= 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-49

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LOT RESERVED
FOR FUTURE
DEVELOPMENT

SCOTCH ROAD
COUNTY ROUTE No. 641
R.O.W. WIDTH VARIES

LOT 19, BLOCK 93
N/F TRANQUILITY FARMS, INC

LOT 30, BLOCK 93
N/F OF HOPEWELL CC III, L.L.C

LOT 44, BLOCK 93
N/F DEER VALLEY REALTY C/O CREST 66.004

LOT 32, BLOCK 93
N/F DEER VALLEY REALTY C/O CREST 66.004

BLOCK 93
LOT 3.03

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 feet

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

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van note-harvey associates - Since 1894 -

OVERALL SITE DRAINAGE PLAN SOUTH
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 100'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No. 203-A-1 203-B-1
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	SHEET No. **CE-50**

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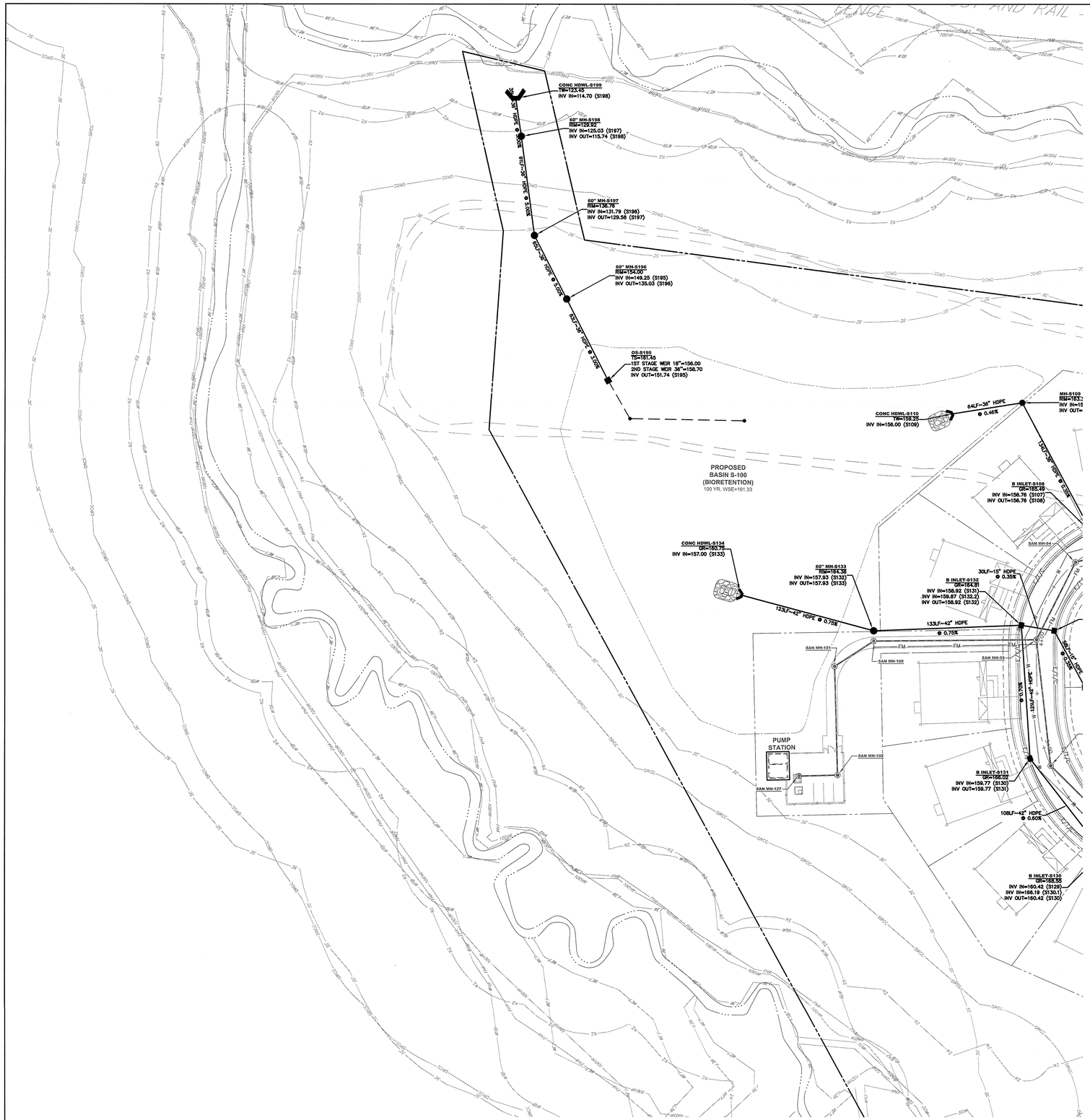

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 9" INLET
- 5" INLET
- 24" INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
- ELECTRIC MANHOLE
- SANITARY MANHOLE
- MANHOLE (UNIDENTIFIED)
- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
- EDGE OF PAVEMENT
- WALKS
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ENVIRONMENTAL LEGEND

- WET — FRESHWATER WETLAND BOUNDARY
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- RZ — RIPARIAN ZONE BOUNDARY
- FHA — FLOOD HAZARD BOUNDARY
- WATER EDGE
- 100 — 100 YEAR FLOODPLAIN BOUNDARY
- DRCC — DELAWARE & RARITAN CANAL COMMISSION STREAM CORRIDOR BOUNDARY
- SC — MUNICIPAL STREAM CORRIDOR BOUNDARY

PROPOSED LAYOUT LEGEND:

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- DC — DEPRESSED CURB
- MOUNTABLE CONCRETE CURB
- CONCRETE WALK
- BITUMINOUS WALKING PATH
- PEDESTRIAN STRIPED CROSSWALK
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- PROJECT/DIRECTIONAL SIGNS

PROPOSED GRADING LEGEND:

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- 0.50% — SLOPE & DIRECTION
- FFE =147.85 — FINISHED FIRST FLOOR ELEVATION
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5ZB = TYPE B INLET		VB = VALVE BOX	
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UGS = UNDERGROUND STONE STORAGE		TW = TOP OF WALL	
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STM = STORM SEWER		RIM = TOP OF MANHOLE	
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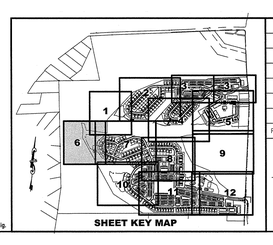
- SEDIMENT BASIN RISER
- STONE CONSTRUCTION ENTRANCE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

Know what's below. Call before you dig.



SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

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- Since 1894 -

SITE DRAINAGE PLAN 6
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/NNK DATE 12/16/20	FIELD BK	ORDER No. 45051-410-21	FILE No. 203-A-1 203-B-1	SHEET No. **CE-51**
CHECKED BY BRP DATE 12/16/20	PAGE			

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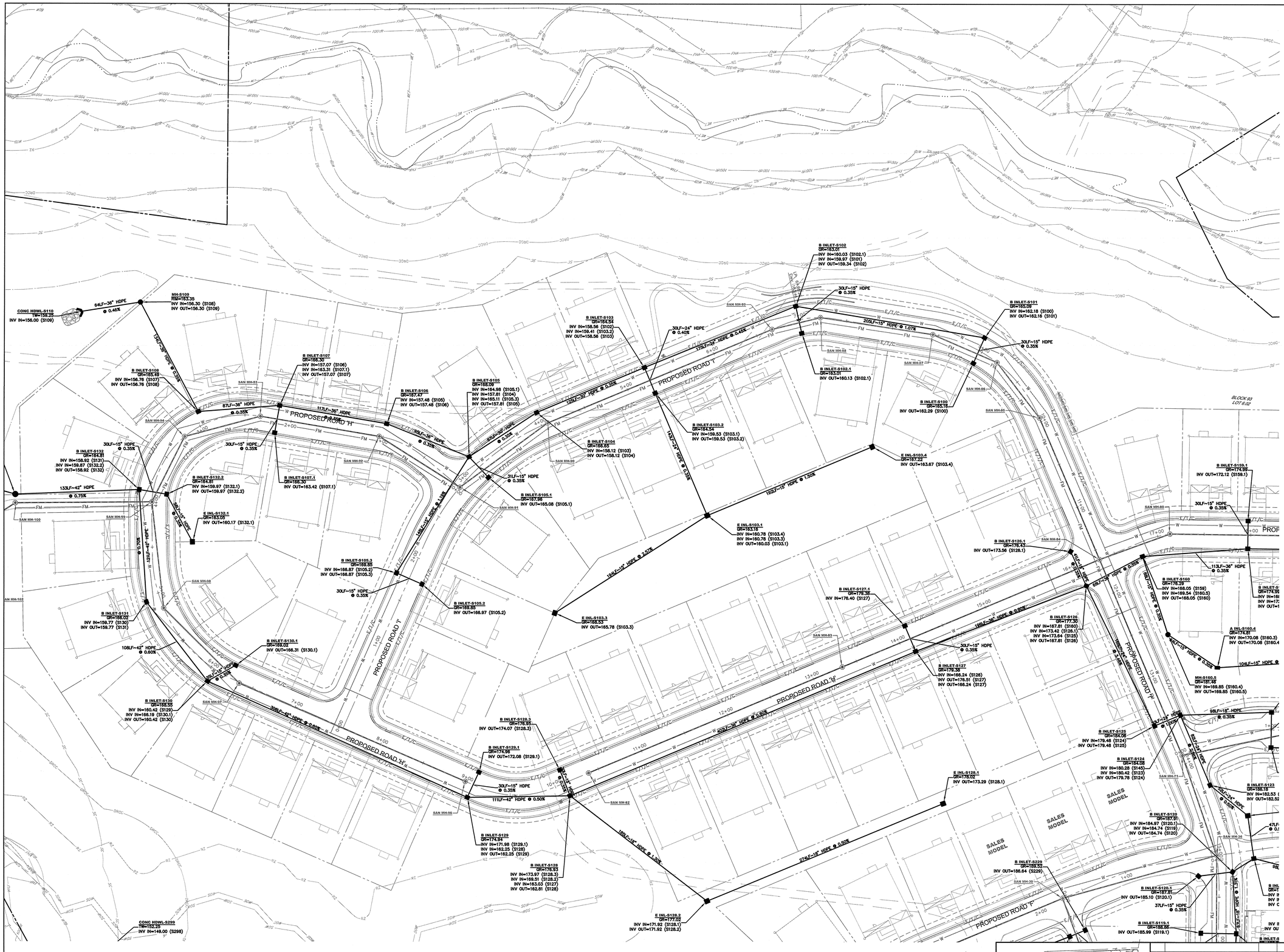

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 'D' INLET
- 'C' INLET
- 'A' INLET
- FLARED END SECTION
- WATER VALVE
- CLEANOUT
- FIRE HYDRANT
- UTILITY MANHOLE
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TS = TOP OF STRUCTURE		GV = GAS VALVE	
UGS = UNDERGROUND STONE STORAGE		TW = TOP OF WALL	
		BW = BOTTOM OF WALL	
C.C. = CURB CUT		RIM = TOP OF MANHOLE	
STM = STORM SEWER		SAN = SANITARY SEWER	
MH = MANHOLE		INL = INLET	
OS = OUTLET STRUCTURE		HDWL = HEADWALL	

SOIL EROSION AND SEDIMENT CONTROL LEGEND:

- LIMIT OF DISTURBANCE
- SF — SF — SF — SILT FENCE
- TP — TREE PROTECTION
- INLET PROTECTION
- SEDIMENT BASIN RISER
- STONE CONSTRUCTION ENTRANCE

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 feet

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

SHEET KEY MAP

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

van note-harvey associates, inc.
consulting engineers, planners & land surveyors
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- Since 1894 -

SITE DRAINAGE PLAN 7
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No. 45051-410-21	FILE No. 203-A-1 203-B-1	SHEET No. CE-52
CHECKED BY BRP DATE 12/16/20	PAGE			

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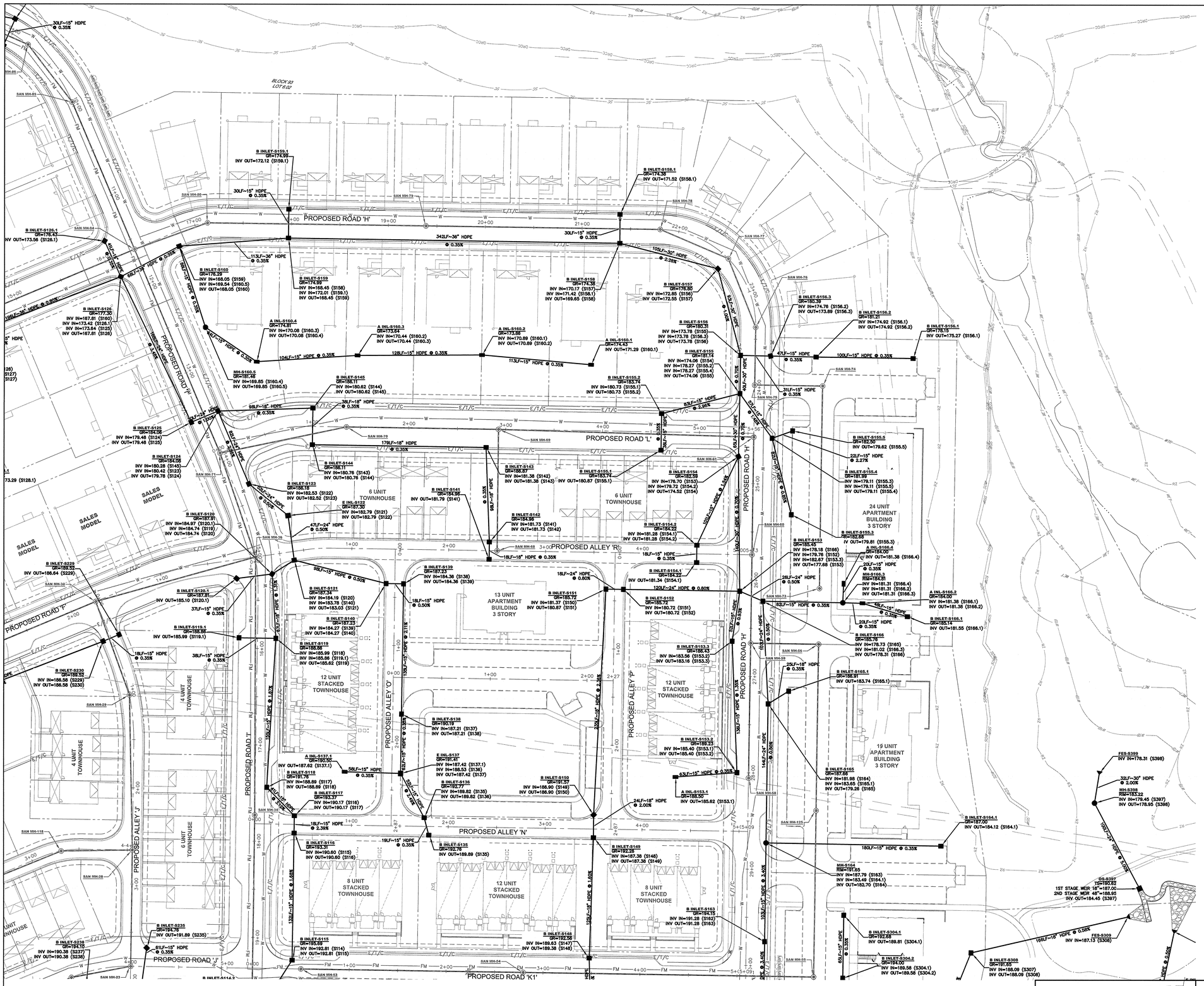

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- 'D' INLET
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- WATER VALVE
- CLEANOUT
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- ELECTRIC MANHOLE
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- SIGN
- TREE LOCATION
- UTILITY POLE
- OHW — OVERHEAD WIRES
- CURB
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- WALKS
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- TREELINE

ENVIRONMENTAL LEGEND

- WET — FRESHWATER WETLAND BOUNDARY
- WTB — WETLAND TRANSITION AREA BOUNDARY
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PROPOSED LAYOUT LEGEND:

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- D/C — DEPRESSED CURB
- MOUNTABLE CONCRETE CURB
- CONCRETE WALK
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- MB — MAIL KIOSK
- TRAFFIC CONTROL SIGNAGE
- FENCING
- PARKING SPACE COUNT
- PARKING SPACE PAVEMENT STRIPING
- CONCRETE WHEEL STOPS
- HANDICAP PARKING SYMBOL
- PROJECT/DIRECTIONAL SIGNS

PROPOSED GRADING LEGEND:

- 147 — TOPOGRAPHIC CONTOUR
- 147.68x TC=147.57 147.93x — TOPOGRAPHIC SPOT ELEVATION
- 0.50% — SLOPE & DIRECTION
- FFE =147.85 — FINISHED FIRST FLOOR ELEVATION
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- STABILIZED SLOPES
- RIPRAP
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PC	=	POINT OF CURVE	S2E	=	TYPE E INLET
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SITE DRAINAGE PLAN 8
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP, MERCER CO., N.J.
SCALE 1" = 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-53

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LOT RESERVED
FOR FUTURE
DEVELOPMENT

LOT 5.01
BLOCK 93

LOT 6.02
BLOCK 93

100' BLDG. SETBACK

PROPERTY LINES PER REFERENCE PLAN No. 1

SCOTCH ROAD
(VARIABLE WIDTH) COUNTY ROUTE #611
PER TAX MAP

SOUTH ROAD
(VARIABLE WIDTH)
PER TAX MAP

BARN
HOUSE

SHED

CONCRETE PADS

WELL

UTILITY POLE (TYP.)

STONE DRIVEWAY

CONC. WALK

1-1/2 STORY FRAME DWELLING

185.7'

188.4'

B

LEGEND:

- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- "D" INLET
- "E" INLET
- "A" INLET
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- WATER VALVE
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- POROUS PAVEMENT
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- MB — MAIL KIOSK
- TRAFFIC CONTROL SIGNAGE
- FENCING
- 10 — PARKING SPACE COUNT
- PARKING SPACE PAVEMENT STRIPING
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- HANDICAP PARKING SYMBOL
- PROJECT/DIRECTIONAL SIGNS

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GRAPHIC SCALE

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(IN FEET)
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SHEET KEY MAP

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SITE DRAINAGE PLAN 9
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP — MERCER CO., N.J.
SCALE 1" = 40' — DECEMBER 16, 2020

DRAWN BY WDV/MNK	FIELD BK	ORDER No.	FILE No.	SHEET No.
DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-54
CHECKED BY BRP DATE 12/16/20				

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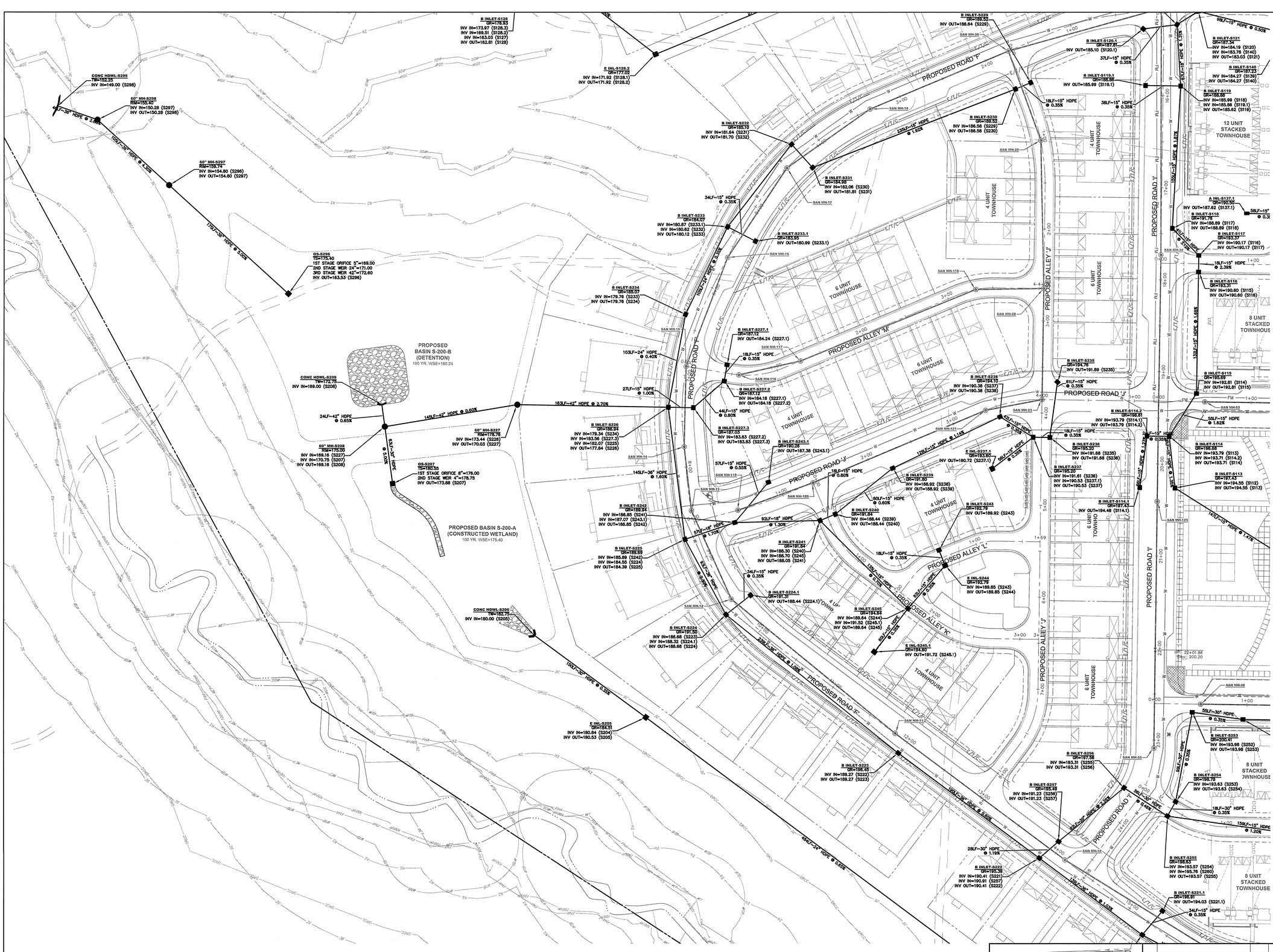

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SITE DRAINAGE PLAN 10
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1" = 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No.	FILE No.	SHEET No.
CHECKED BY BRP DATE 12/16/20	PAGE	45051-410-21	203-A-1 203-B-1	CE-55

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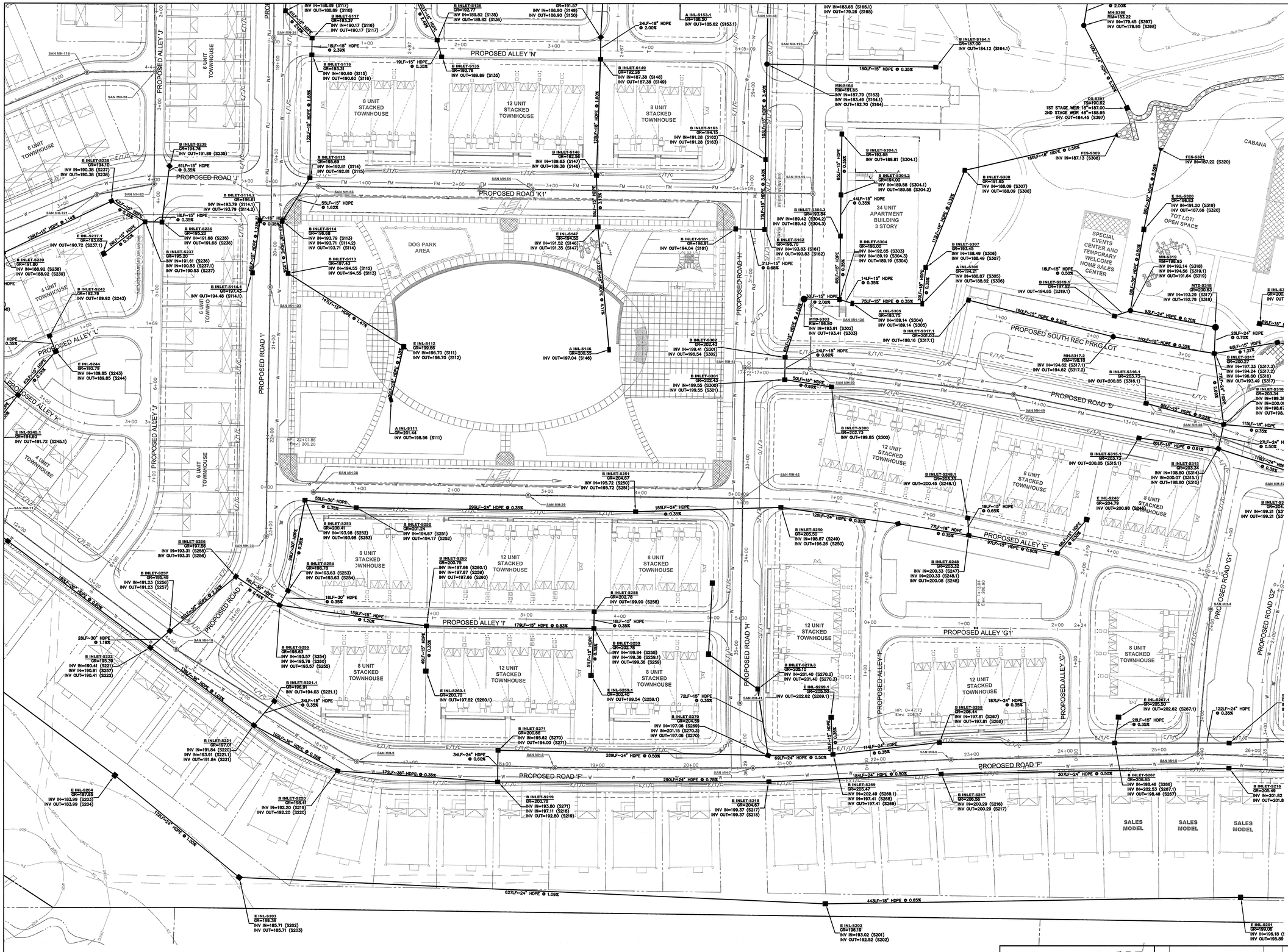

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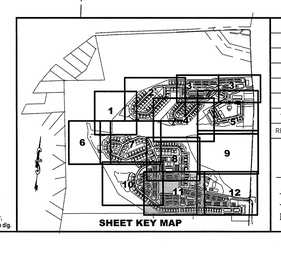

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SITE DRAINAGE PLAN 11
OF
SOUTH SECTION
HOPEWELL PARC
SITUATED IN

HOPEWELL TOWNSHIP
SCALE 1"= 40'

MERCER CO., N.J.
DECEMBER 16, 2020

DRAWN BY WDV/MNK DATE 12/16/20	FIELD BK	ORDER No. 45051-410-21	FILE No. 203-A-1 203-B-1	SHEET No. CE-56
CHECKED BY BRP DATE 12/16/20	PAGE			

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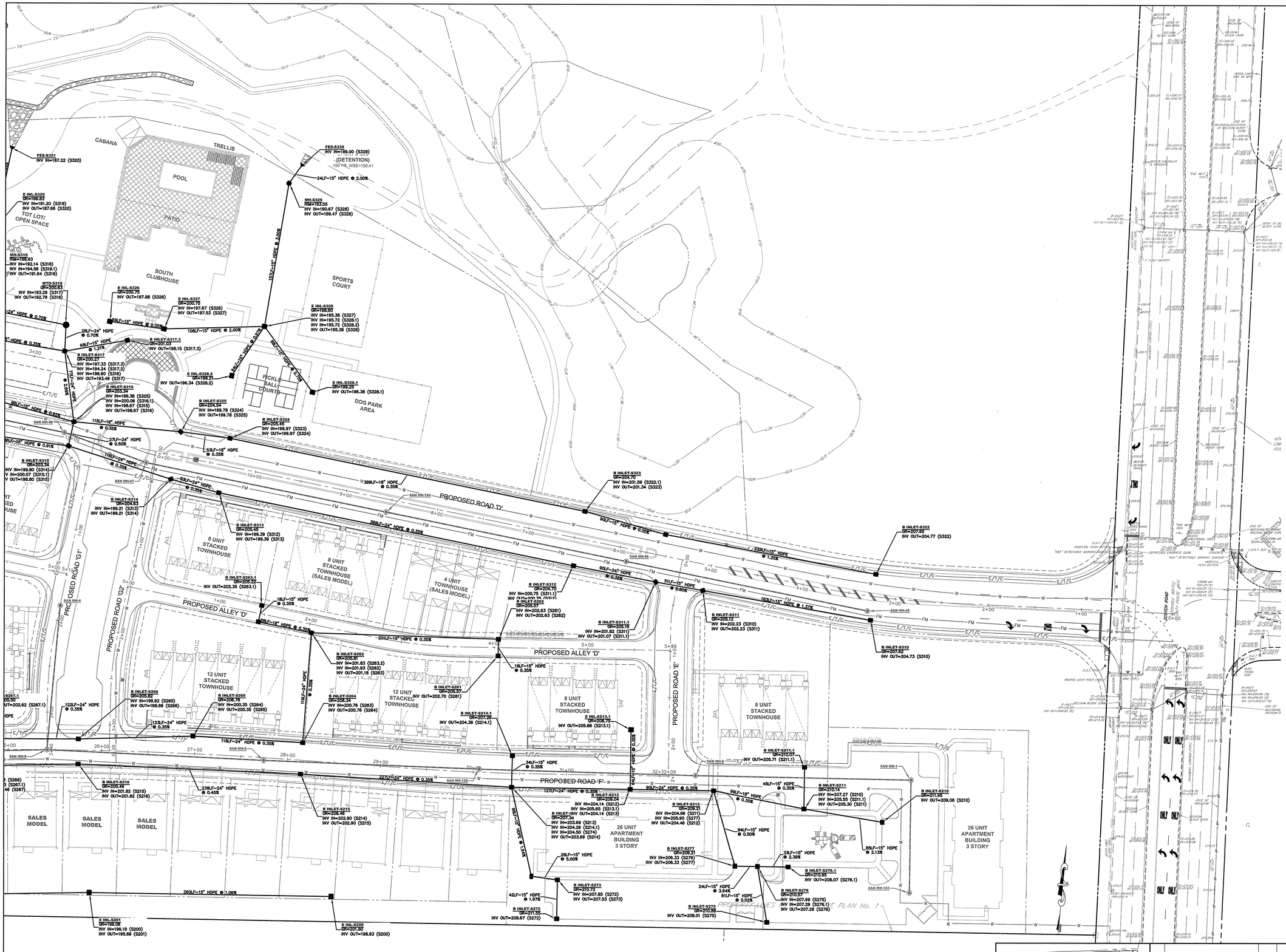

REV.	DESCRIPTION	DATE	DFT.BY	CKD.BY
1.	PRELIMINARY/FINAL SITE PLAN SUBMISSION	12/16/20	WDV	BRP

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12/16/2020
DATE OF SIGN.

BRIAN R. PERRY
N.J. PROFESSIONAL ENGINEER LIC. NO. GE 45920

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