



**WARE MALCOMB**  
Leading Design for Commercial Real Estate

architecture  
planning  
interiors  
graphics  
civil engineering  
2777 E. Camelback Rd, Suite 325  
Phoenix, AZ 85016  
P 480.767.1001  
F 480.947.2288

**CONTACT INFORMATION**

**ENGINEER:** DIBBLE  
1626 N LITCHFIELD RD  
SUITE 150  
GOODYEAR, AZ 85395  
623.935.2258  
SHANNON MAUCK, PE

**ARCHITECT:** WARE MALCOMB  
277 E. CAMELBACK ROAD  
SUITE 325  
PHOENIX, AZ 85016  
480.767.1001  
BRIAN SANDSTROM

**DEVELOPER:** CONTOUR  
3200 PARK CENTER DRIVE  
SUITE 1240  
COSTA MESA, CA 92626  
800.964.8110  
DAVID EARNHART

**RETENTION CALCULATIONS**

DESIGN STORM: 100-YR, 2-HR  
C=0.95, D=2.17"

**PHASE 1:**  
RETENTION REQUIRED  
= 267,192 CF  
RETENTION PROVIDED:  
= 438,182 CF

**PHASE 2:**  
RETENTION REQUIRED  
= 179,295 CF  
RETENTION PROVIDED:  
= 293,966 CF

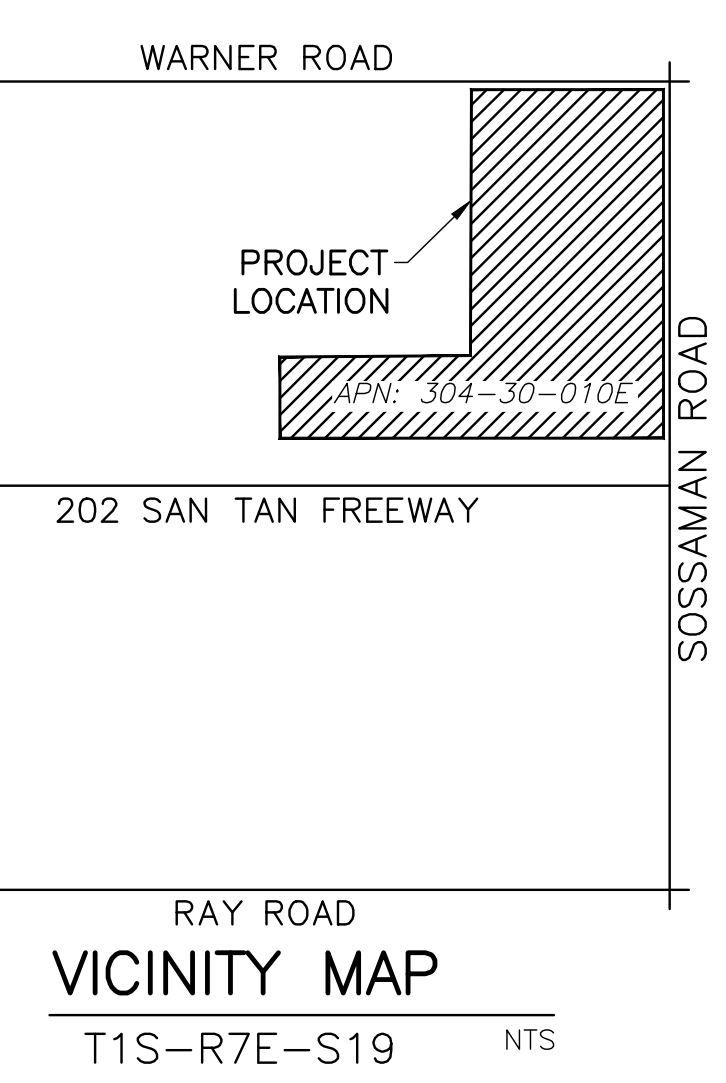
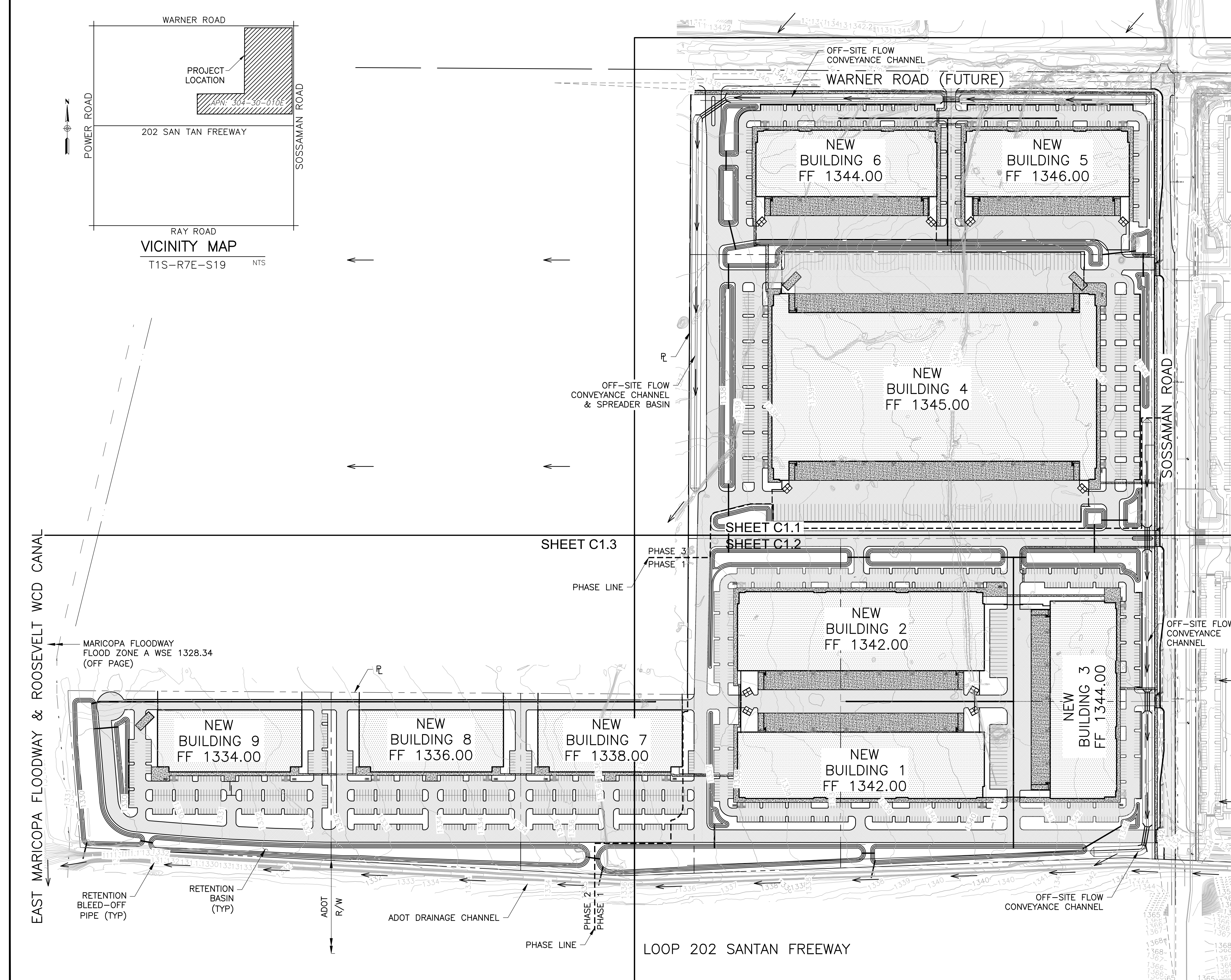
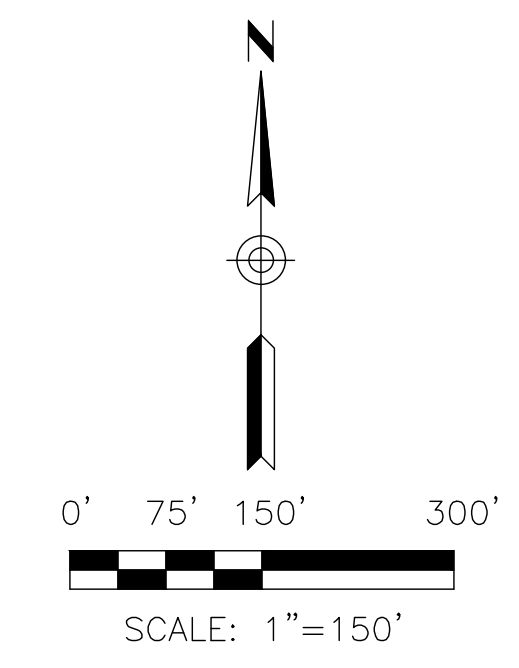
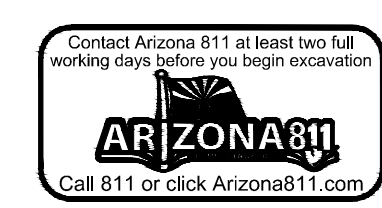
**PHASE 3:**  
RETENTION REQUIRED  
= 386,489 CF  
RETENTION PROVIDED:  
= 222,708 CF

**SOSSAMAN 202 INDUSTRIAL PARK**  
S. SOSSAMAN ROAD  
MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN	
DATE	REMARKS

PA / PM:	B. SANDSTROM
DRAWN BY:	
JOB NO.:	PHX21-0009-00

SHEET  
**C1.0**



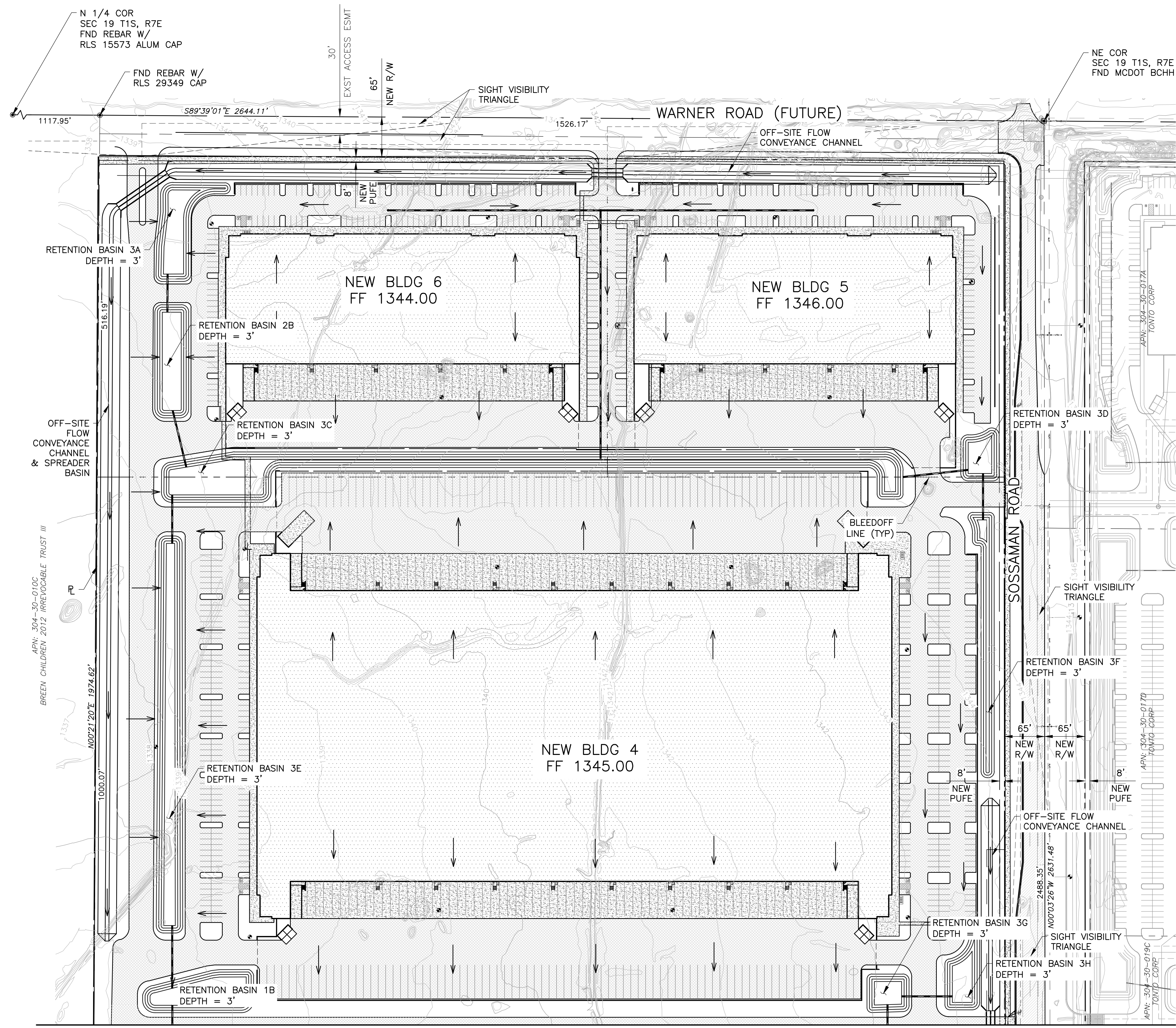
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PRELIMINARY GRADING & DRAINAGE	REMARKS
DATE	

PA / PM:	B. SANDSTROM
DRAWN BY:	
JOB NO.:	PHX21-0009-00



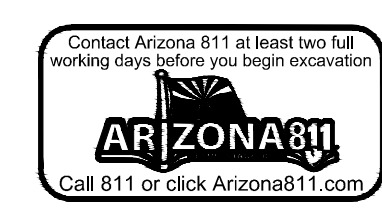
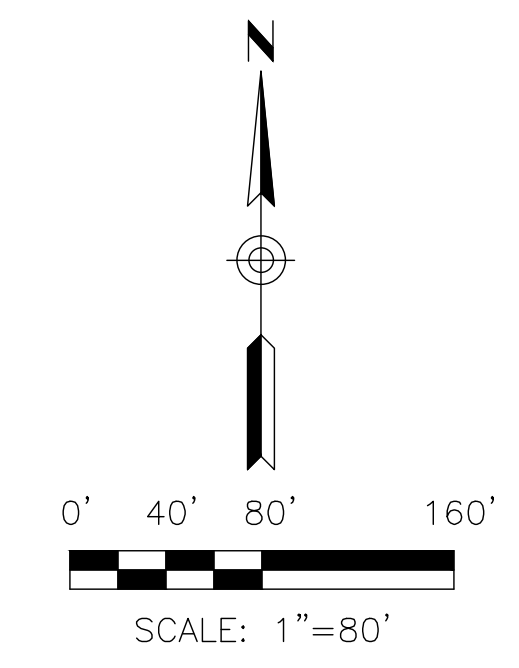
**RETENTION CALCULATIONS**

DESIGN STORM: 100-YR, 2-HR  
C=0.95, D=2.17"

PHASE 3:  
RETENTION REQUIRED  
= 386,489 CF

- RETENTION PROVIDED:
- BASIN 3A = 20,919 CF
  - BASIN 3B = 21,969 CF
  - BASIN 3C = 77,156 CF
  - BASIN 3D = 10,226 CF
  - BASIN 3E = 53,355 CF
  - BASIN 3F = 18,977 CF
  - BASIN 3G = 8,604 CF
  - BASIN 3H = 11,504 CF

PHASE 3 TOTAL RETENTION PROVIDED  
= 222,708 CF





# DIBBLE

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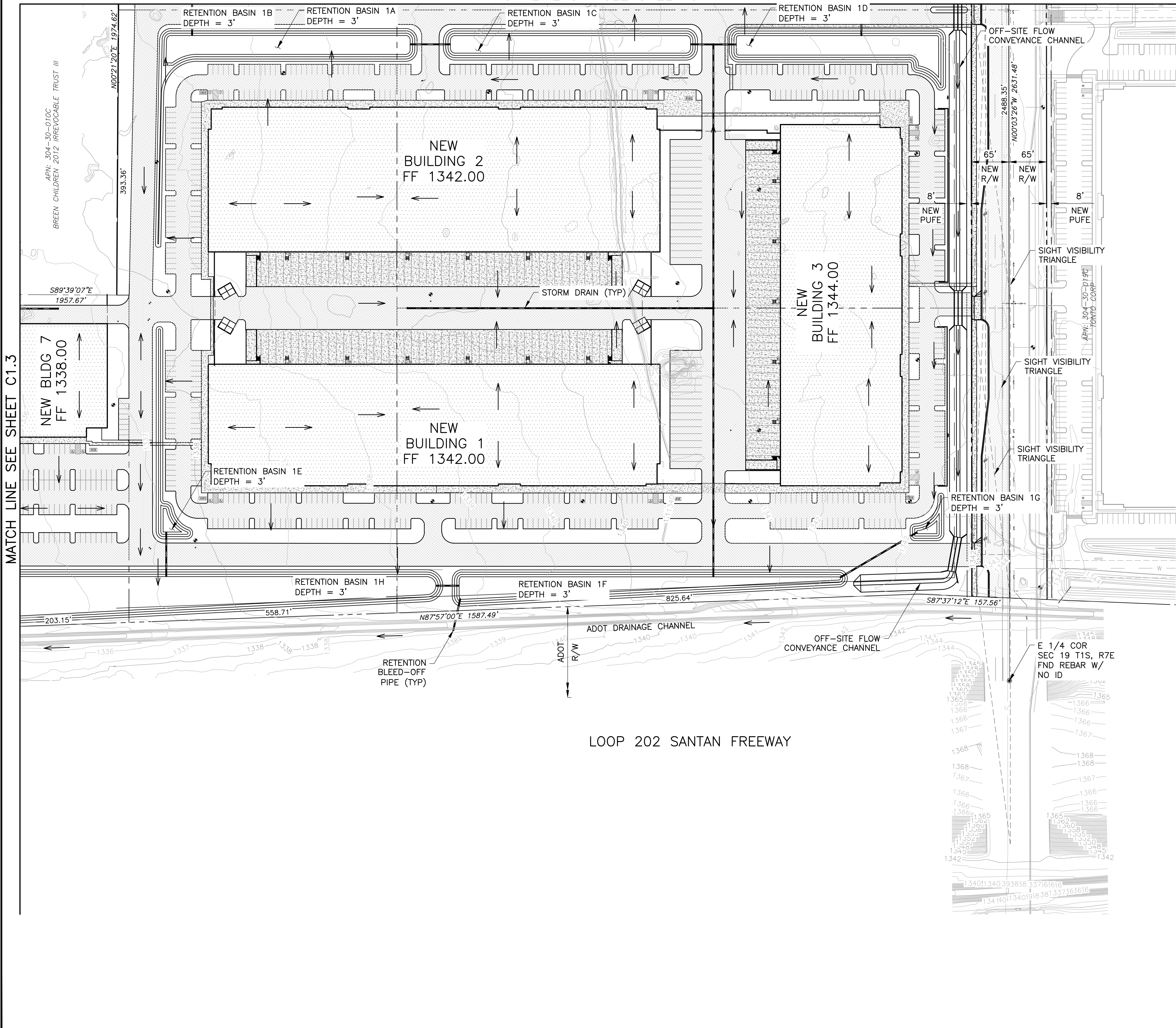
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MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE	REMARKS
DATE	

PA / PM:	B. SANDSTROM
DRAWN BY:	
JOB NO.:	PHX21-0009-00

SHEET  
**C1.2**

MATCH LINE STA SEE SHEET C1.1

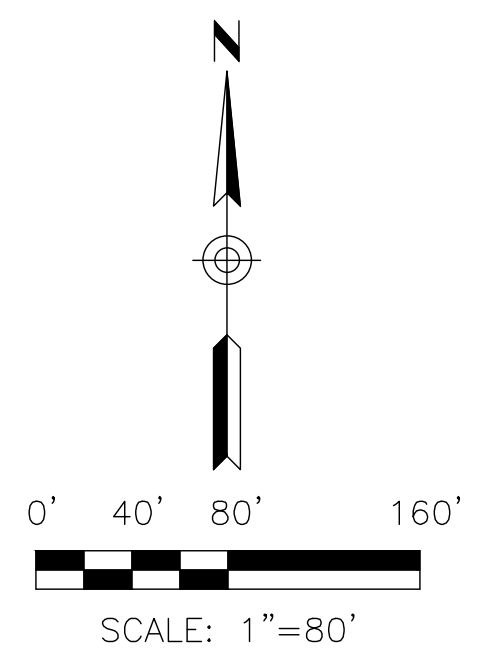


**RETENTION CALCULATIONS**  
 DESIGN STORM: 100-YR, 2-HR  
 C=0.95, D=2.17"

**PHASE 1:**  
 RETENTION REQUIRED  
 = 267,192 CF

RETENTION PROVIDED:  
 BASIN 1A = 63,804 CF  
 BASIN 1B = 24,107 CF  
 BASIN 1C = 53,634 CF  
 BASIN 1D = 53,655 CF  
 BASIN 1E = 10,118 CF  
 BASIN 1F = 70,103 CF  
 BASIN 1G = 4,335 CF  
 BASIN 1H = 158,367 CF

PHASE 1 TOTAL RETENTION PROVIDED  
 = 438,182 CF



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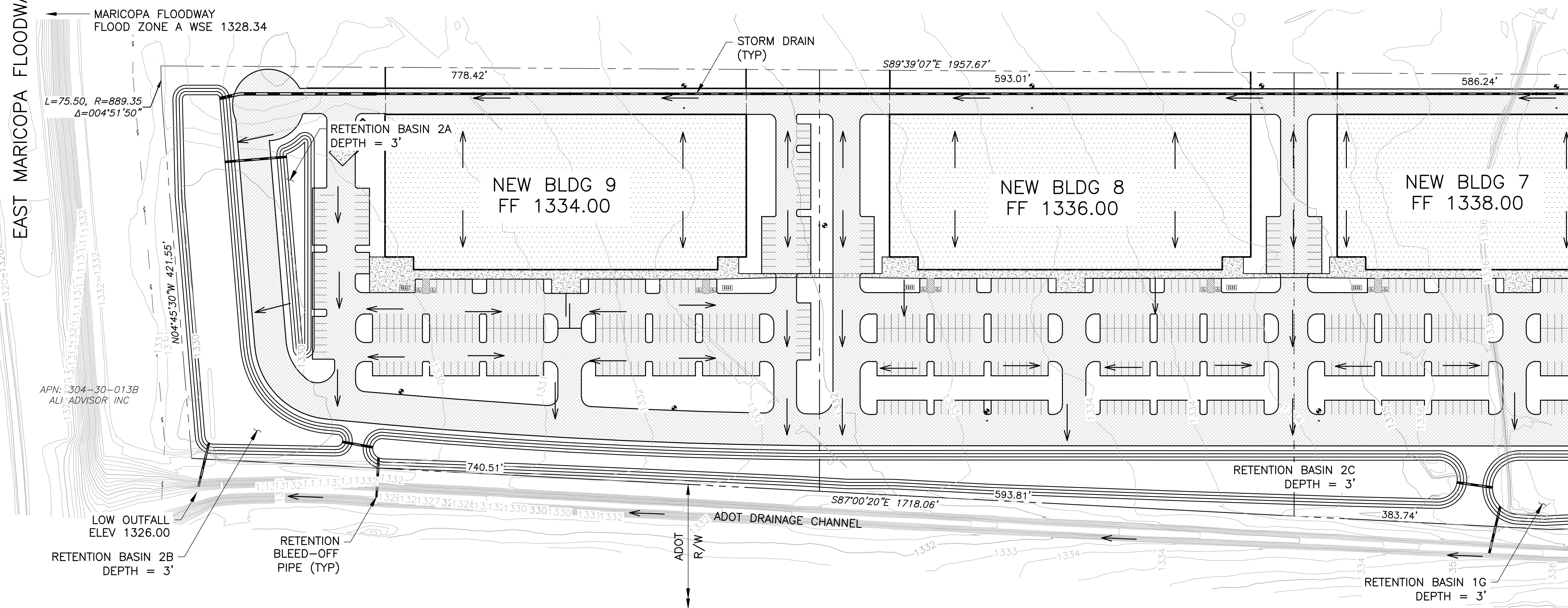


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APN: 304-30-010C  
BREEN CHILDREN 2012 IRREVOCABLE TRUST III

EAST MARICOPA FLOODWAY & ROOSEVELT WCD CANAL



MATCH LINE SEE SHEET C1.2

**RETENTION CALCULATIONS**  
DESIGN STORM: 100-YR, 2-HR  
C=0.95, D=2.17"

**PHASE 2:**  
RETENTION REQUIRED  
= 179,295 CF

RETENTION PROVIDED:  
BASIN 2A = 20,223 CF  
BASIN 2B = 104,627 CF  
BASIN 2C = 169,116 CF

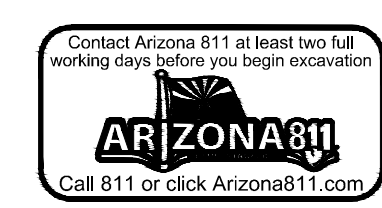
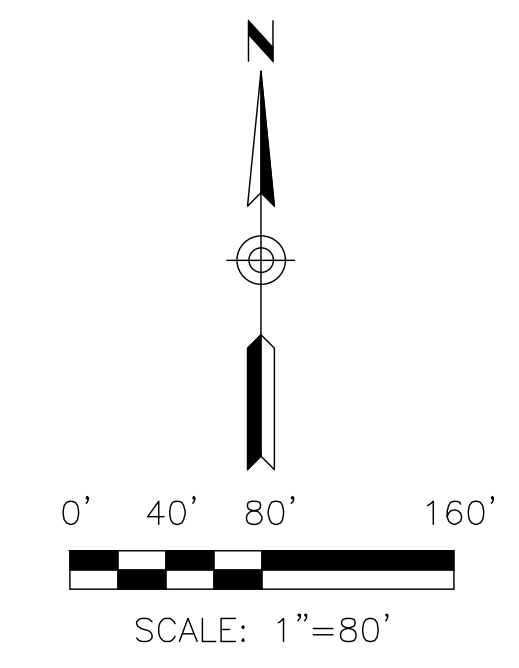
PHASE 2 TOTAL RETENTION PROVIDED  
= 293,966 CF

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SHEET  
**C1.3**

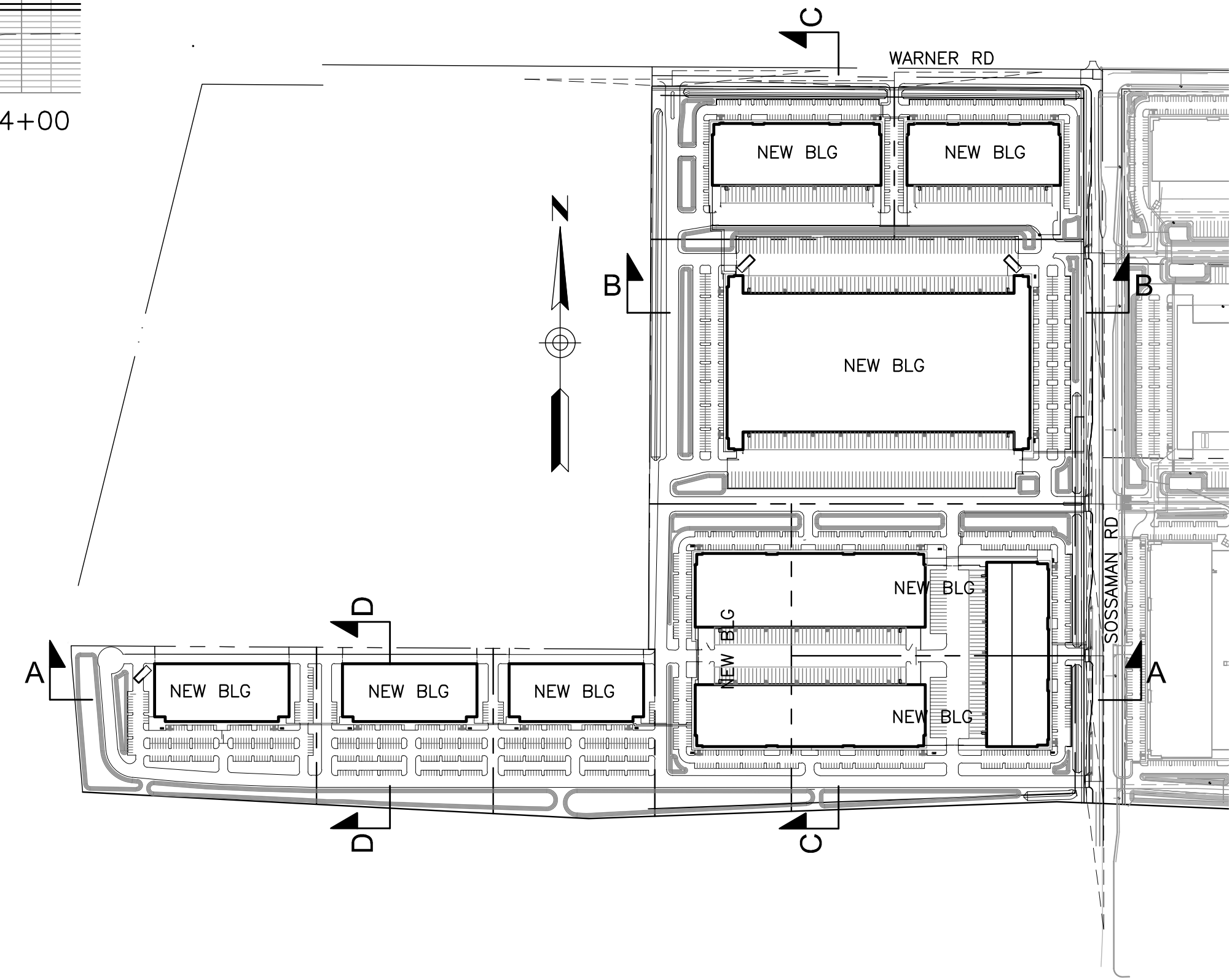
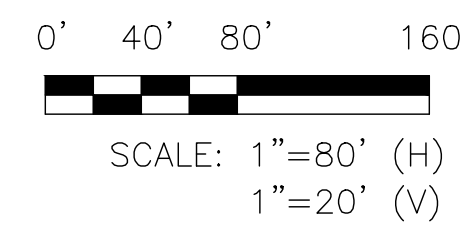
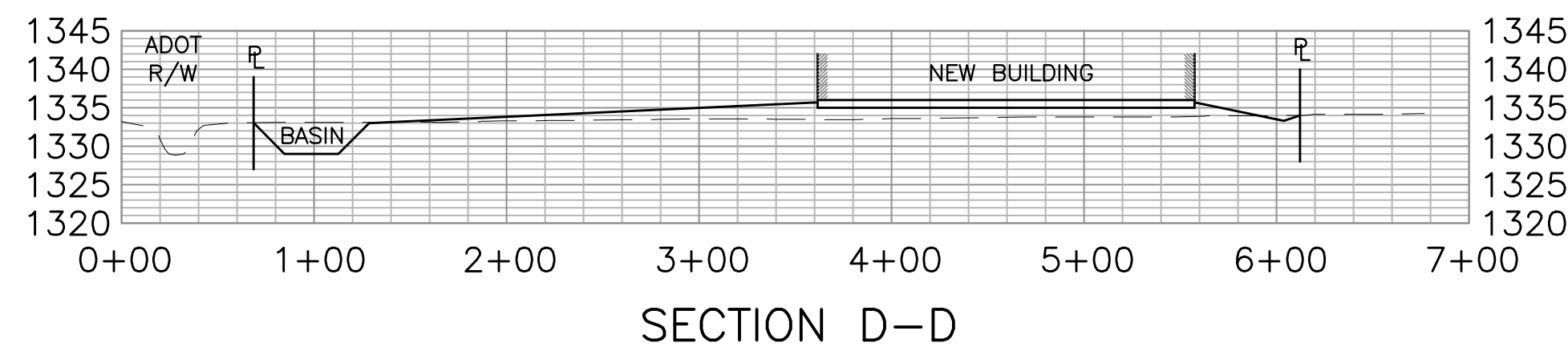
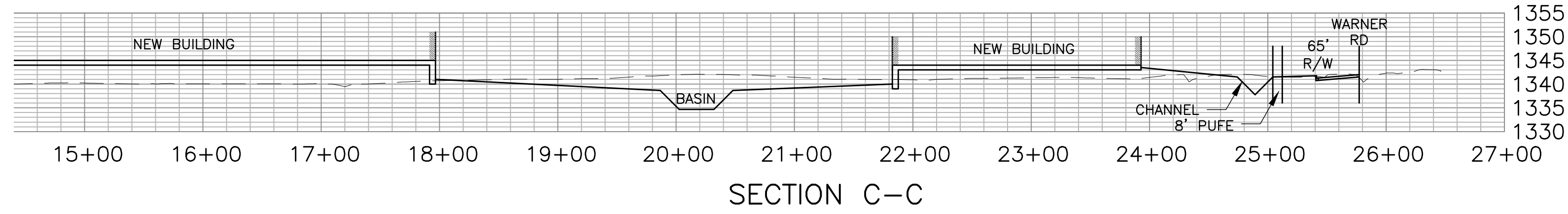
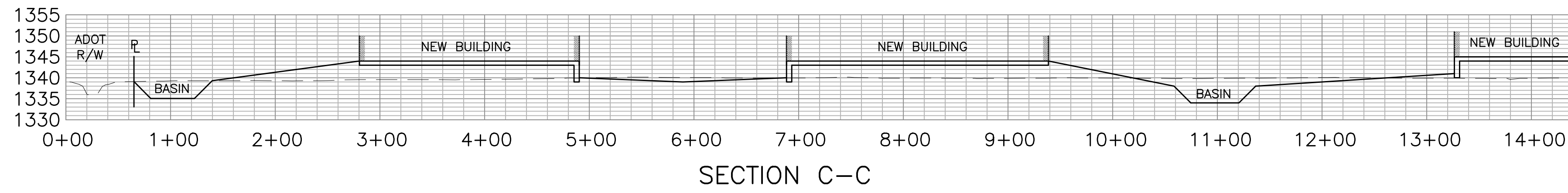
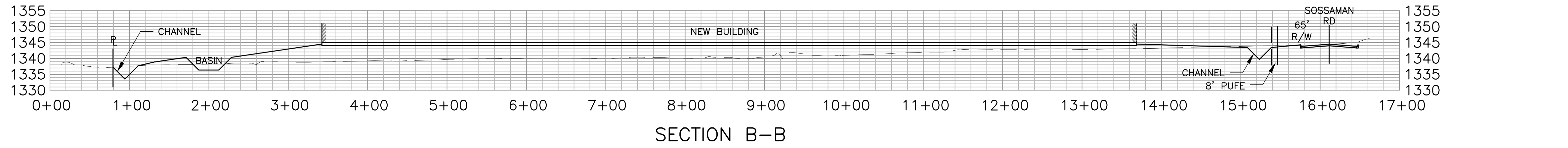
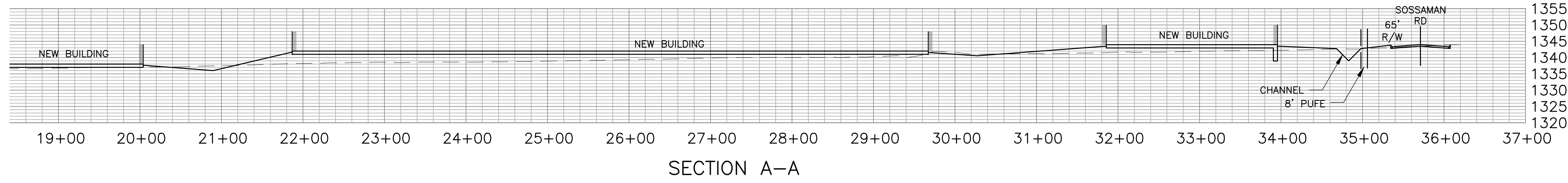
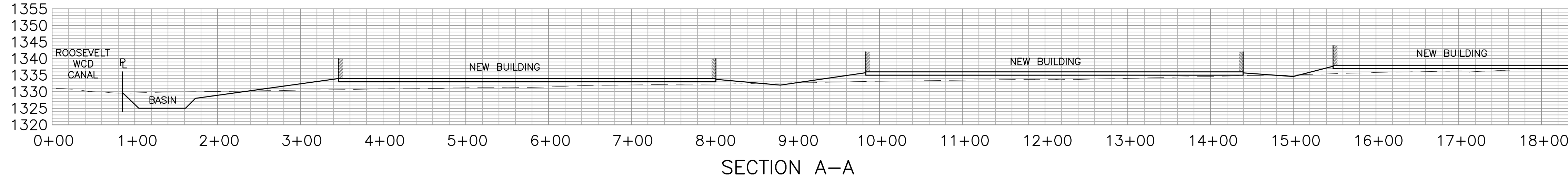






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CROSS SECTIONS	
DATE	REMARKS

PA / PM: B. SANDSTROM  
DRAWN BY:  
JOB NO.: PHX21-0009-00

SHEET  
**C2.1**

