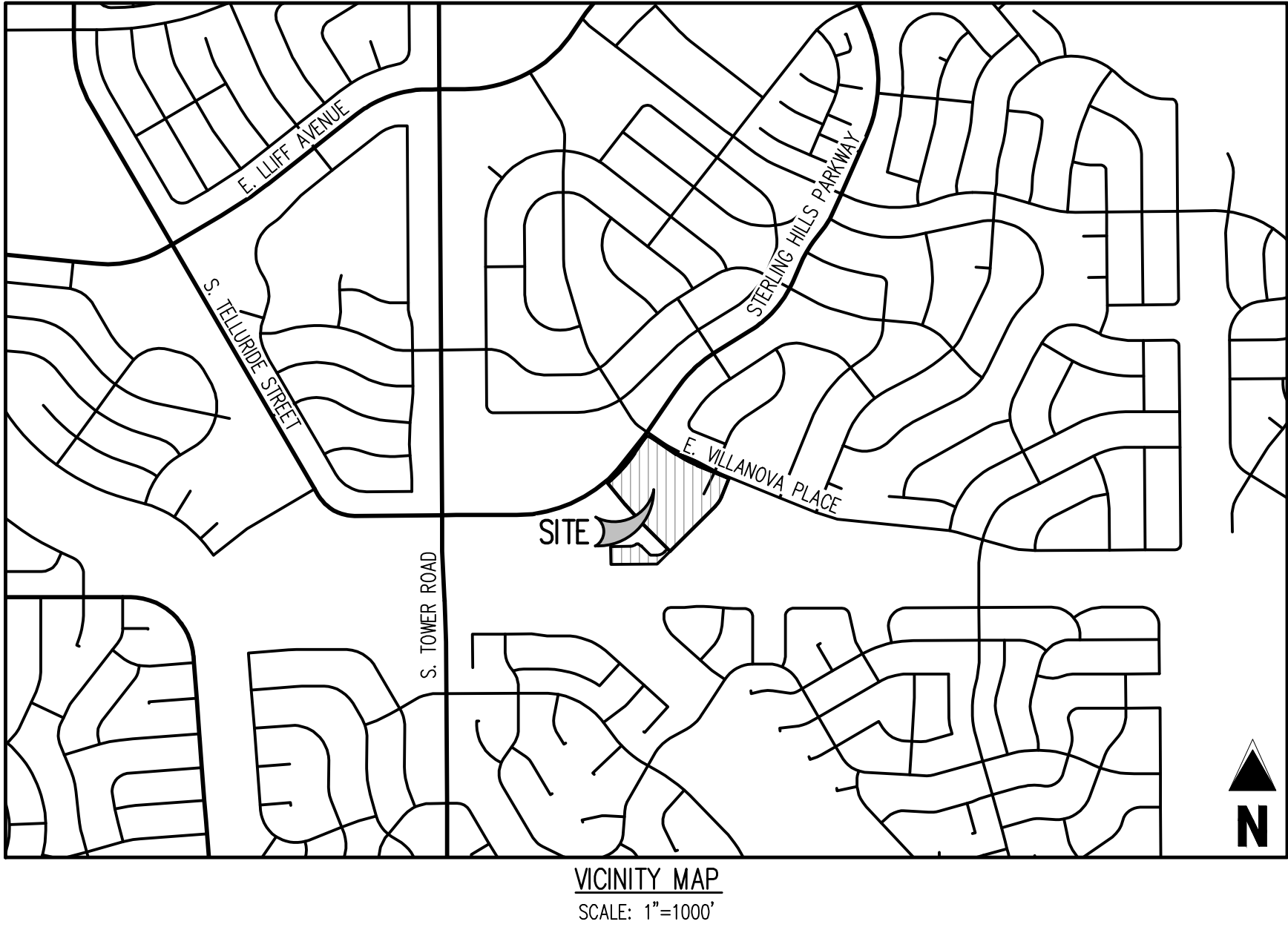


CALAMAR 55+ AT STERLING HILLS - SITE PLAN
LOT 1, BLOCK 1, STERLING HILLS SUBDIVISION FILING NO. 16
LOCATED IN THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M
CITY OF AURORA, COUNTY OF ARAPAHOE, STATE OF COLORADO



SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	OVERALL DRAINAGE PLAN
3	DETAILED DRAINAGE PLAN 1
4	DETAILED DRAINAGE PLAN 2
3	EMERGENCY OVERFLOW SECTIONS
4	EMERGENCY OVERFLOW SECTIONS 2



PRELIMINARY DRAINAGE PLAN
CALAMAR 55+ AT STERLING HILLS
LOT 1, BLOCK 1, STERLING HILLS
SUBDIVISION FILING NO. 16

SEC STERLING HILLS PKWY & E VILLANOVA PL
AURORA, COLORADO

LEGAL DESCRIPTION
LOT 1, BLOCK 1, STERLING HILLS SUBDIVISION FILING NO. 14, RECORDED AT
RECEPTION NO. B7077623, COUNTY OF ARAPAHOE, STATE OF COLORADO.

LOCATED IN THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 4 SOUTH,
RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, CITY OF AURORA,
COUNTY OF ARAPAHOE, STATE OF COLORADO.

FLOOD ZONE
THE SUBJECT PROPERTY SHOWN HEREIN LIES WITHIN OTHER AREAS, ZONE X,
AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN,
AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE
RATE MAP INDEX NO. 08005C0192L, MAP REVISED SEPTEMBER 4, 2020.

BASIS OF BEARING
THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 4
SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MOUNTED
AT THE SOUTHWEST CORNER BY A 3" BRASS CAP STAMPED "CITY OF
AURORA LS 16419", 0.6' DOWN IN RANGE BOX AND AT THE SOUTH QUARTER
CORNER BY A FOUND 3" BRASS CAP STAMPED "CITY OF AURORA LS 16419",
0.5' DOWN IN RANGE BOX, ASSUMED TO BEAR NORTH 89°49'51" EAST.

BENCHMARK
CITY OF AURORA ID #4566275W006

A 3" DIAMETER BRASS CAP STAMPED "CITY OF AURORA BM Q-63 1981" WITH
MARKED CROSS IN CONCRETE PEDESTAL OF SOUTHWEST LEG OF MOST
NORTHERLY POWER TOWER, 3RD POWER TOWER EAST OF TOWER ROAD, JUST
NORTH OF POWER TOWER #36

NAVD88 ELEVATION = 5589.804 U.S. FEET

CITY OF AURORA DRAINAGE PLAN NOTES

- CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE
WITH CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY
IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE
DESIGN, OF DIMENSIONS AND ELEVATIONS WHICH MUST BE CONFIRMED
AND CORRELATED AT THE JOB SITE. THE CITY OF AURORA, THROUGH
THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR
THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.
- APPROVAL OF THIS DOCUMENT BY CITY OF AURORA DOES NOT IMPLY
APPROVAL FOR ANY OFF-SITE WORK ON ADJACENT PRIVATE
PROPERTY. IN IS THE OWNER'S RESPONSIBILITY TO COORDINATE WITH
ADJACENT PROPERTY OWNERS AND OBTAIN ALL NECESSARY
APPROVALS AND EASEMENTS FOR SUCH WORK.
- ALL STORM INFRASTRUCTURE IS PRIVATE AND DESIGNED FOR THE
100-YEAR STORM EVENT UNLESS OTHERWISE NOTED.

Approved For One Year From This Date

Aurora Water - Drainage Division

Date

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Project No:	CLM000007
Drawn By:	LAL
Checked By:	SMB
Date:	08/16/2024

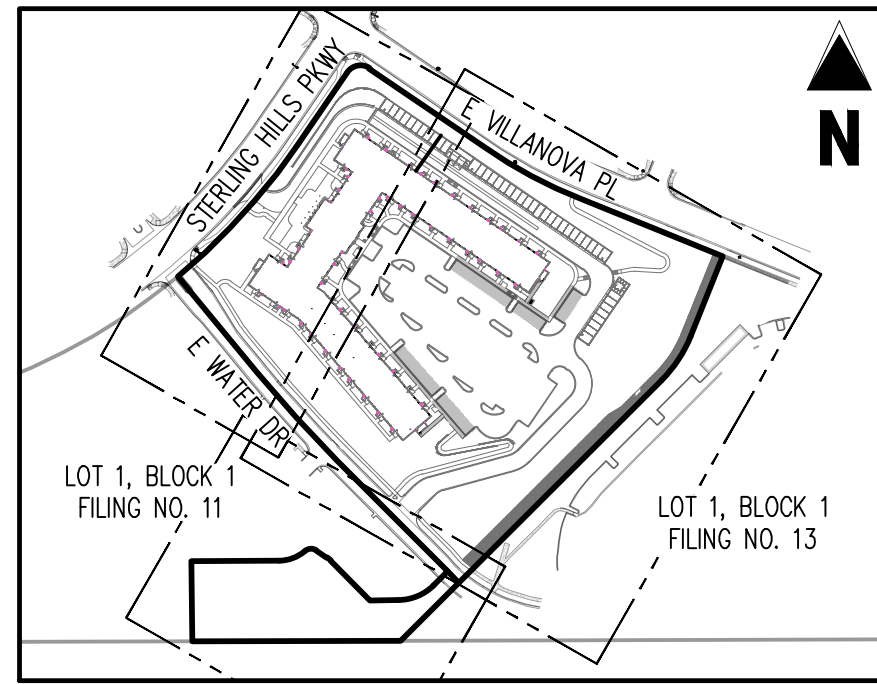
COVER SHEET



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Project No:	CLM000007
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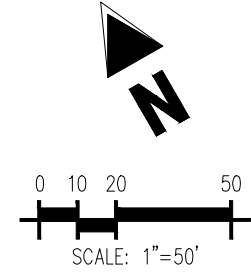
OVERALL DRAINAGE PLAN



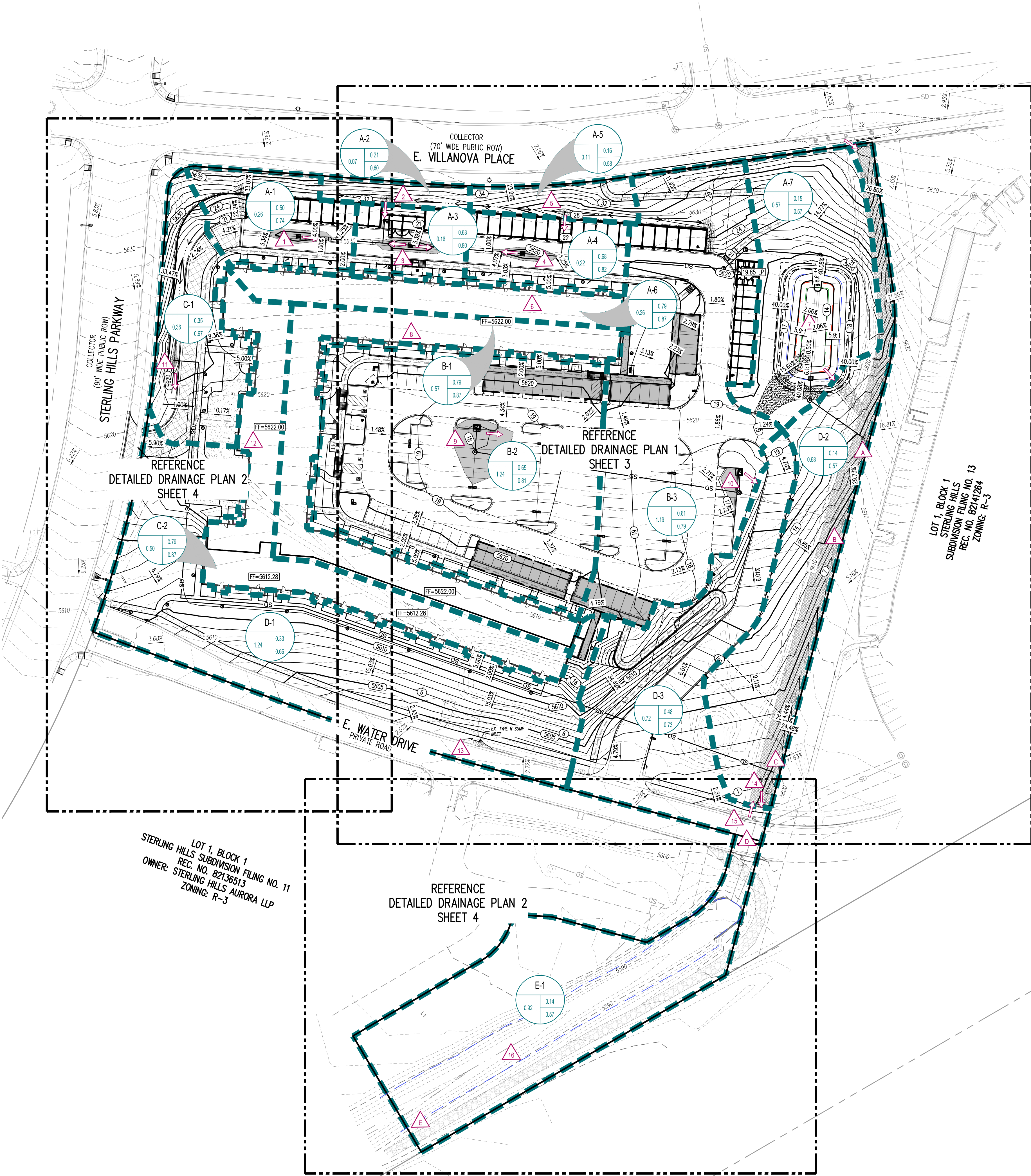
KEY MAP
SCALE: 1"=300'

DRAINAGE LEGEND

---	PROPERTY BOUNDARY LINE
---	ADJACENT PROPERTY BOUNDARY LINE
---	RIGHT OF WAY BOUNDARY LINE
---	EXISTING EASEMENT LINE
---	PROPOSED EASEMENT LINE
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	PROPOSED GRADE BREAK
---	MAJOR BASIN BOUNDARY LINE
△	DESIGN POINT
→	EXISTING FLOW ARROW
→	FLOW ARROW
100	BASIN DESIGNATION
0.00	2-YEAR RUNOFF COEFFICIENT
0.00	100-YEAR RUNOFF COEFFICIENT
0.00	BASIN AREA IN ACRES
---	EXISTING STORM SEWER
---	PROPOSED STORM SEWER
○	EXISTING STORM SEWER MANHOLE
○	EXISTING STORM INLET
○	PROPOSED STORM INLET
○	PROPOSED STORM SEWER MANHOLE
---	PROPOSED RETAINING WALL
---	100-YR WSEL
---	EURV WSEL
---	WQCV WSEL



SCALE: 1"=50'



BASIN SUMMARY TABLE

Tributary Sub-basins	Area (acres)	C2	C100	% imp	Q2 (cfs)	Q100 (cfs)
A-1	0.26	0.50	0.74	63.1%	0.4	1.2
A-2	0.07	0.21	0.60	28.8%	0.1	0.2
A-3	0.16	0.63	0.80	78.4%	0.3	0.9
A-4	0.22	0.68	0.82	82.8%	0.4	1.1
A-5	0.11	0.16	0.58	23.4%	0.1	0.2
A-6	0.26	0.79	0.87	95.0%	0.6	1.7
A-7	0.57	0.15	0.57	21.9%	0.3	0.7
To Proposed Pond	1.66	0.42	0.70	53.9%	1.4	4.0
B-1	0.57	0.79	0.87	95.0%	1.3	3.8
B-2	1.24	0.65	0.81	80.0%	2.3	6.5
B-3	1.19	0.61	0.79	75.2%	2.0	5.7
C-1	0.36	0.35	0.67	46.3%	0.4	1.2
C-2	0.50	0.79	0.87	95.0%	1.2	3.4
D-1	1.24	0.33	0.66	43.9%	1.1	3.1
D-2	0.68	0.14	0.57	20.0%	0.2	0.7
D-3	0.72	0.48	0.73	61.2%	0.9	2.4
E-1	0.92	0.14	0.57	20.8%	0.4	1.2
To Regional Pond	7.41	0.46	0.73	59.1%	6.8	19.2
Total Site	9.08	0.45	0.72	58.2%	8.2	23.2

DESIGN POINT SUMMARY TABLE

Design Point	Q2 (cfs)	Q100 (cfs)
A	67.8	234.3
1	0.4	1.2
2	0.1	0.2
3	0.3	0.9
4	0.4	1.1
5	0.1	0.2
6	0.6	1.7
7	0.3	0.7
B	71.5	244.8
8	1.3	3.8
9	2.3	6.5
10	2.0	5.7
C	72.5	247.6
11	0.4	1.2
12	1.2	3.4
D	74.3	252.6
13	1.1	3.1
14	0.2	0.7
15	0.9	2.4
E	74.6	253.5
16	0.4	1.2

BENCHMARK

CITY OF AURORA ID #456627SW006

A 3" DIAMETER BRASS CAP STAMPED "CITY OF AURORA BM Q-63 1981" WITH MARKED CROSS IN CONCRETE PEDESTAL OF SOUTHWEST LEG OF MOST NORTHERLY POWER TOWER, 3RD POWER TOWER EAST OF TOWER ROAD, JUST NORTH OF POWER TOWER #36

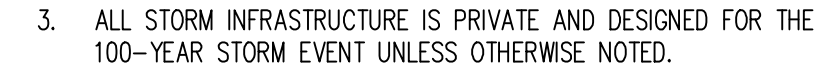
NAVD88 ELEVATION = 5589.804 U.S. FEET

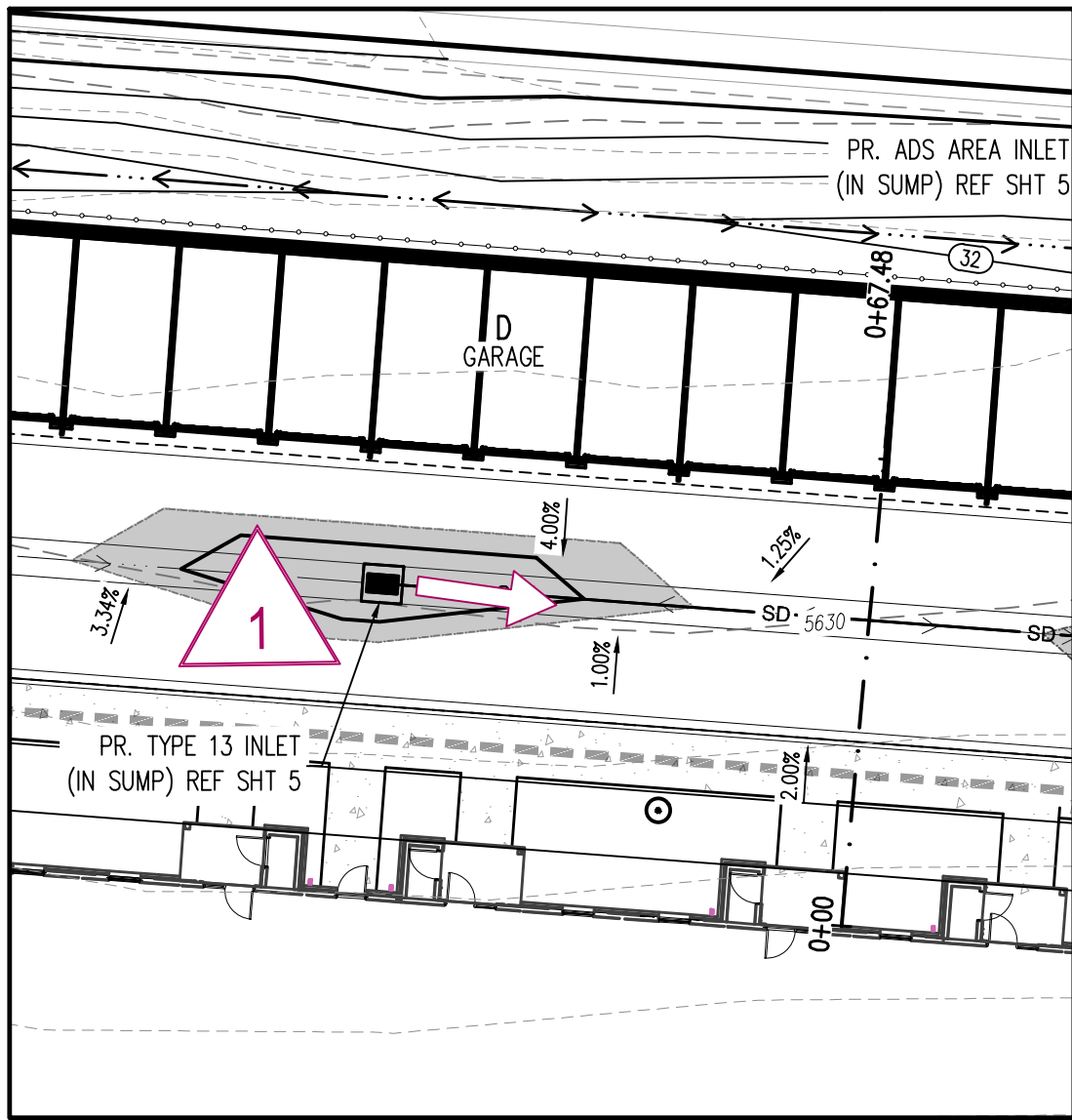
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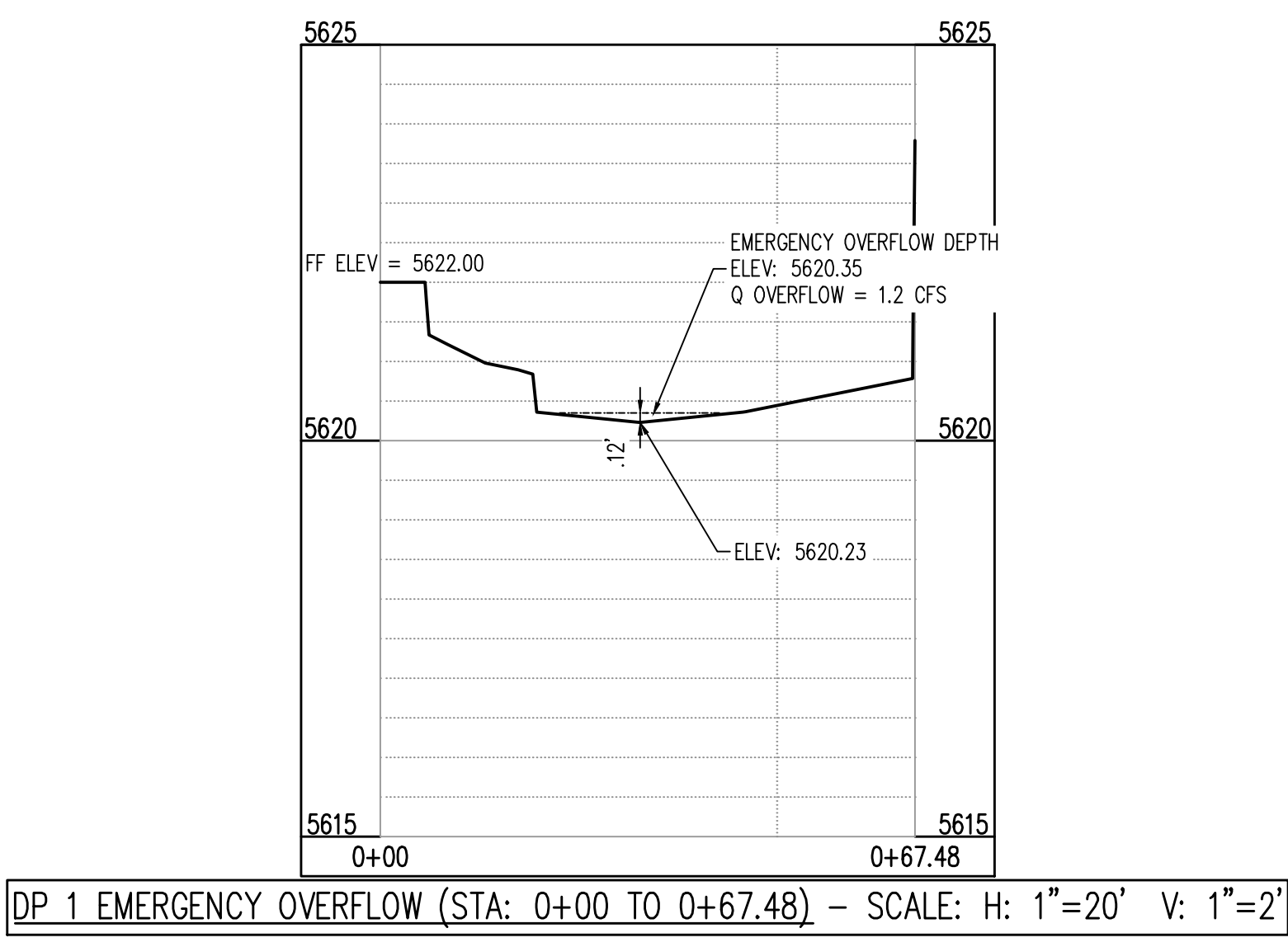
POND A DATA TABLE

WATER SURFACE	ELEVATION (FT.)	VOLUME (AC-FT)
WQCV	5612.45'	0.030
EURV	5613.60'	0.084
100-YR	5615.59'	0.151
MAXIMUM DEPTH 6.00 FT		
RELEASE RATES		
WQCV (CFS)	EURV (CFS)	100-YR (CFS)
0.03	0.05	0.9

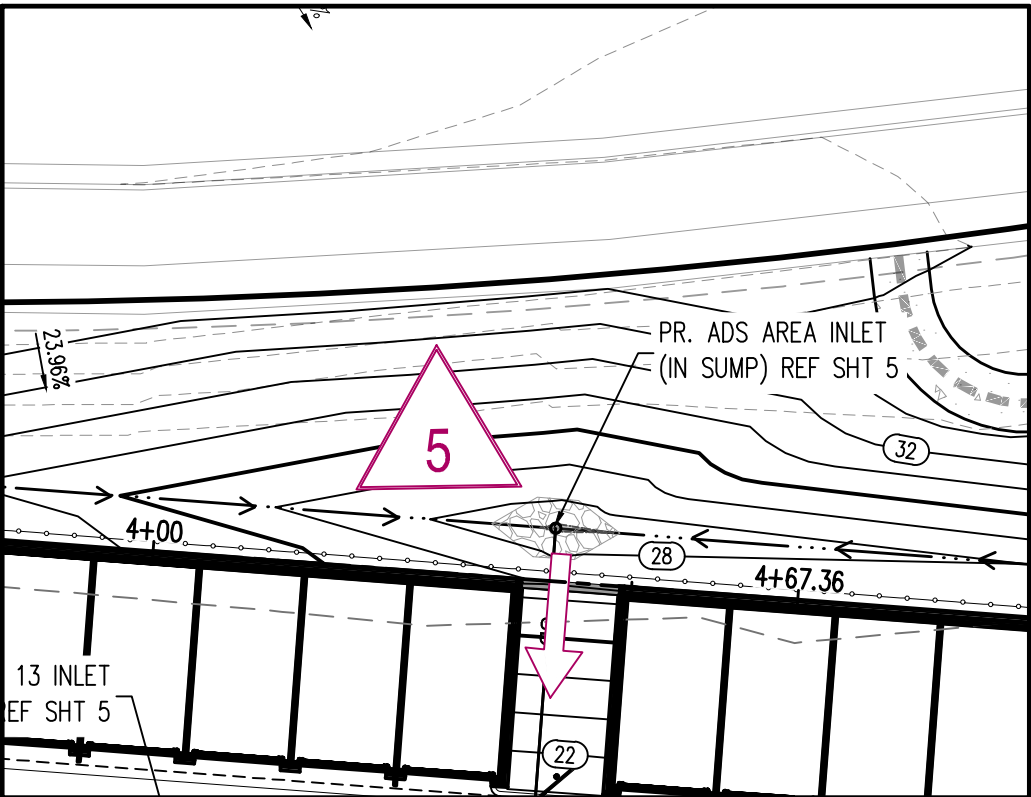




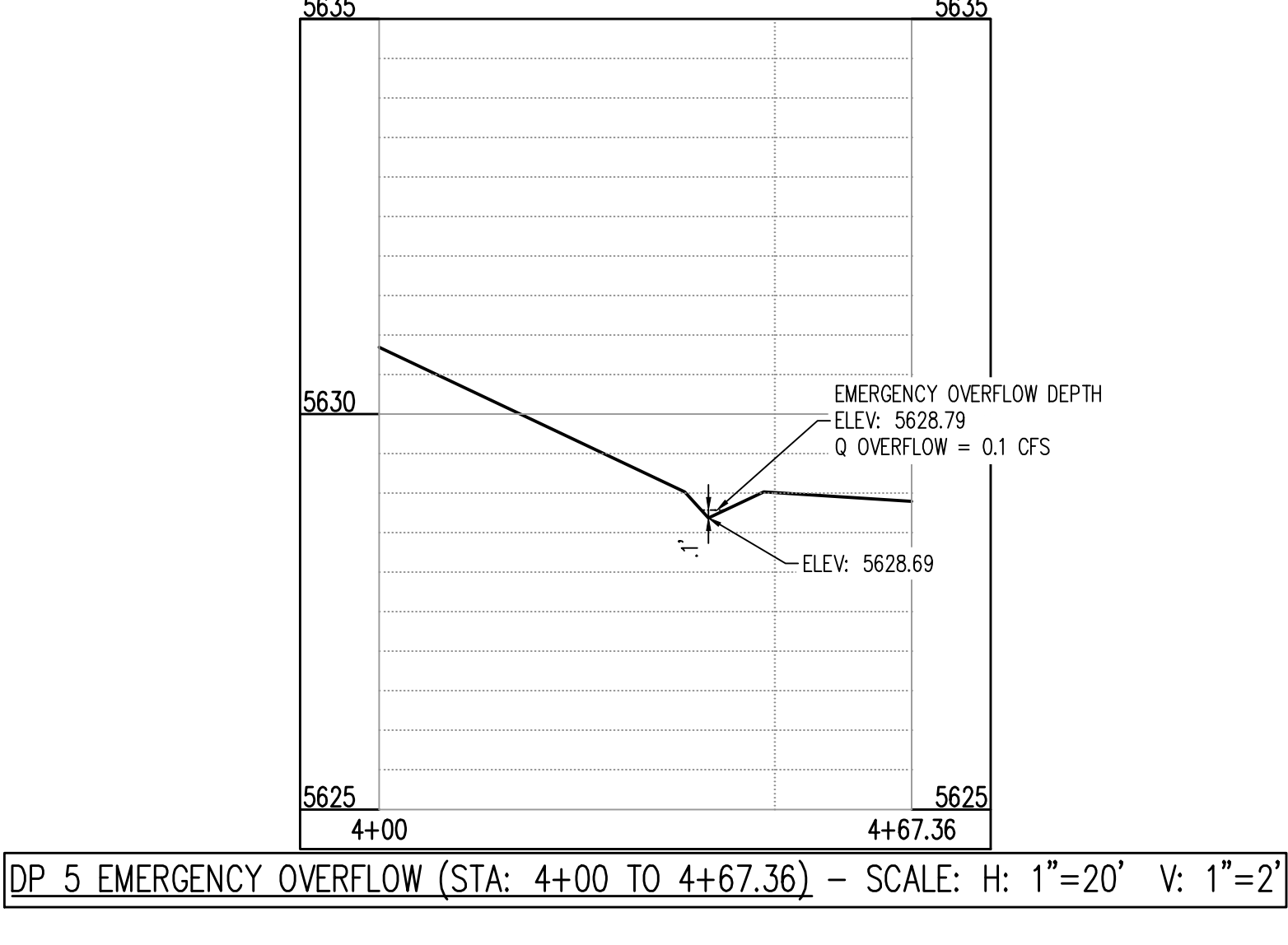
DP 1 TYPE 13 INLET - OVERFLOW



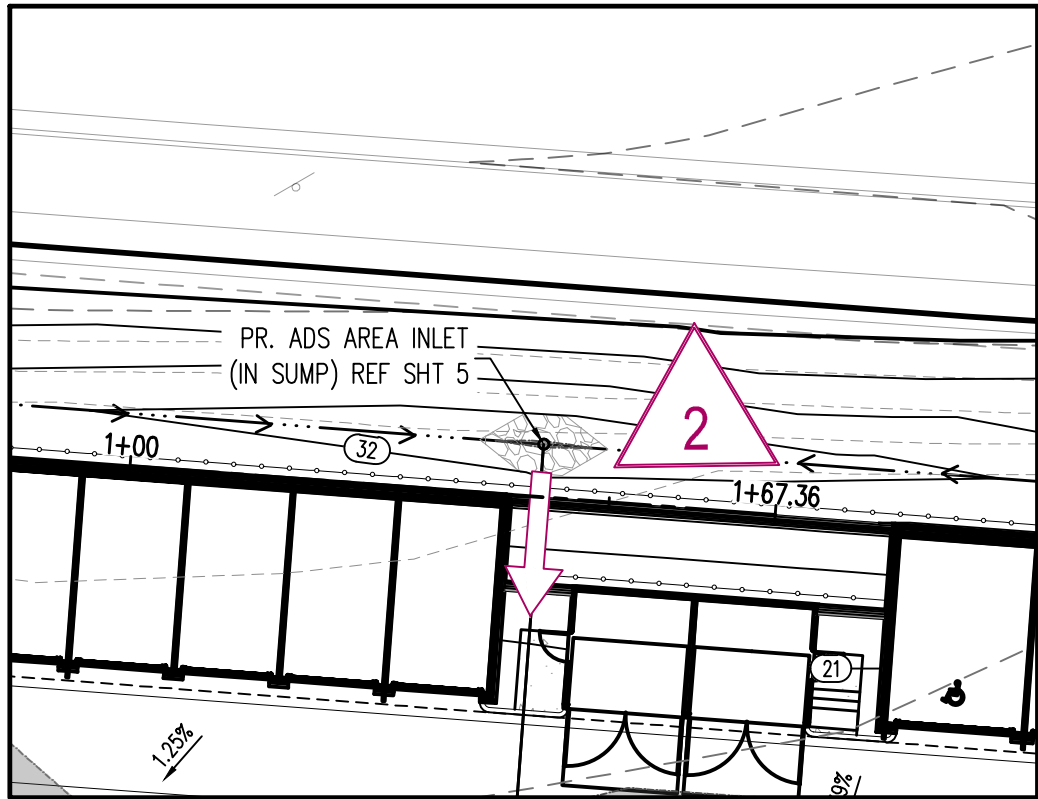
DP 1 EMERGENCY OVERFLOW (STA: 0+00 TO 0+67.48) - SCALE: H: 1"=20' V: 1"=2'



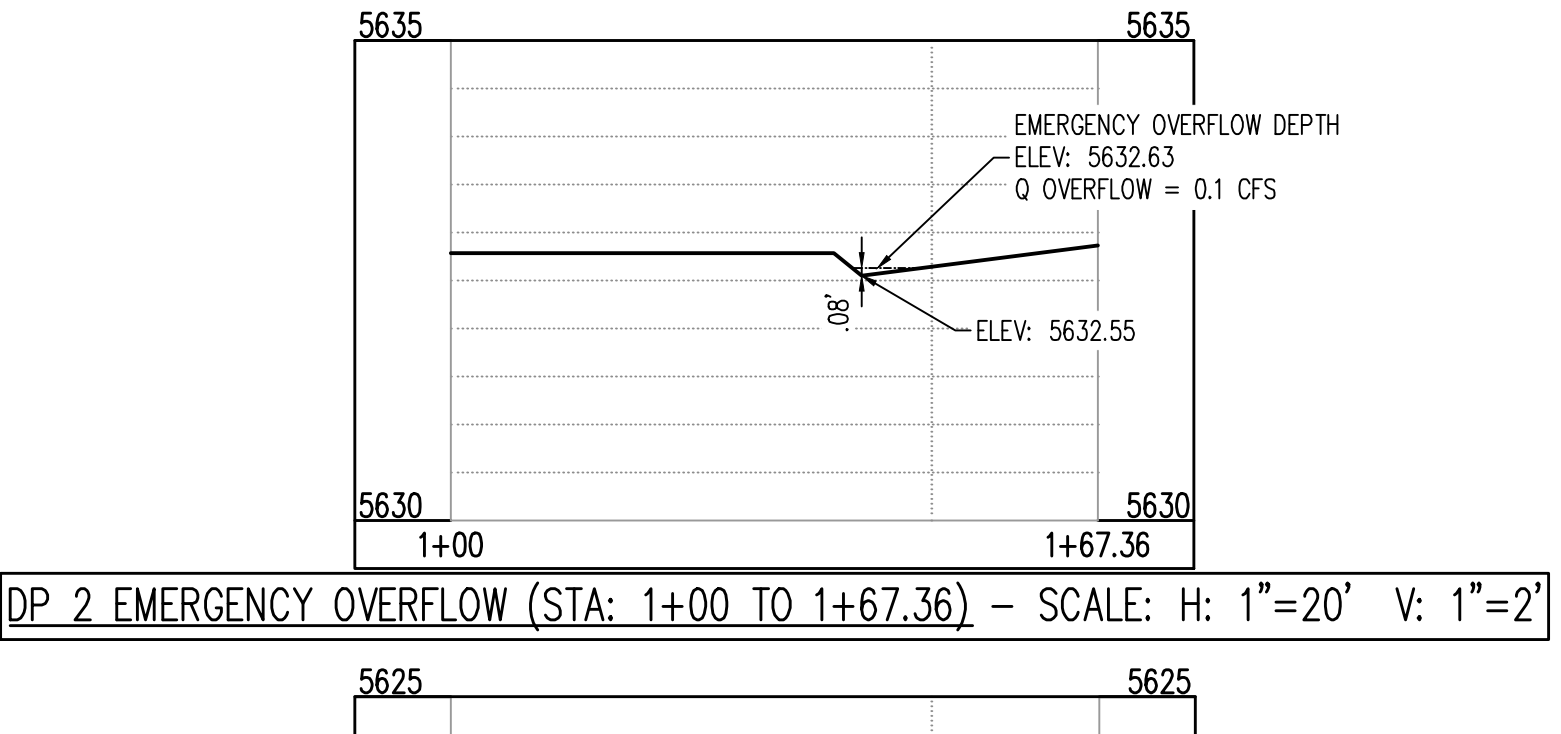
DP 5 ADS AREA INLET - OVERFLOW



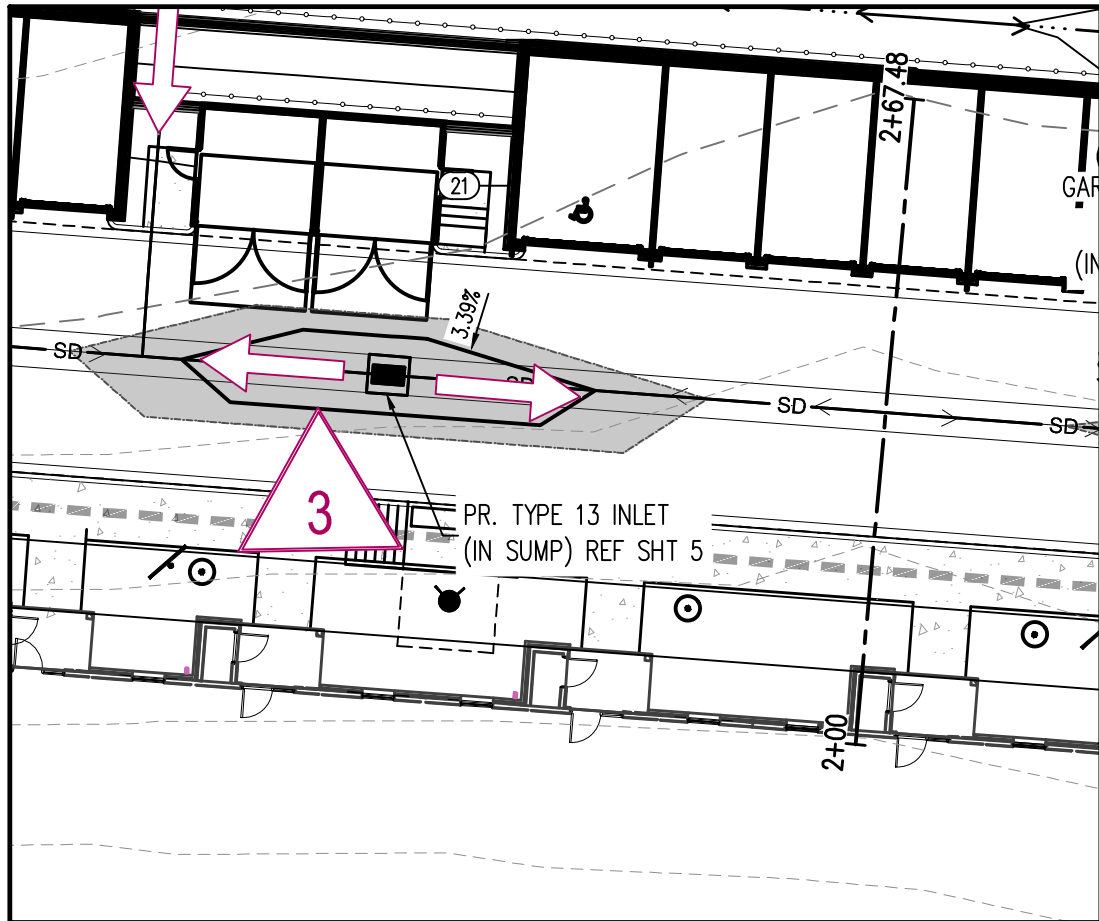
DP 5 EMERGENCY OVERFLOW (STA: 4+00 TO 4+67.36) - SCALE: H: 1"=20' V: 1"=2'



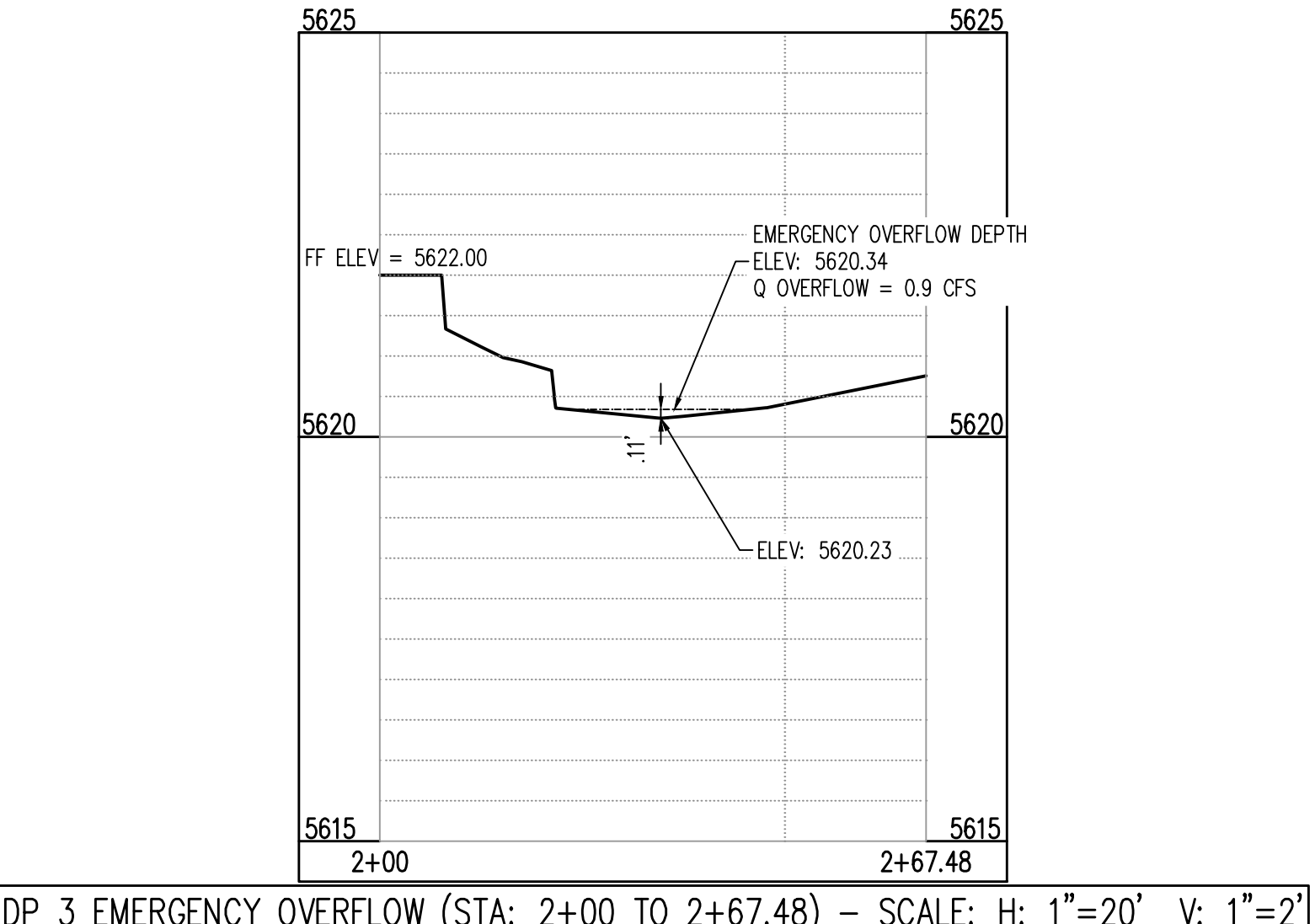
DP 2 ADS AREA INLET - OVERFLOW



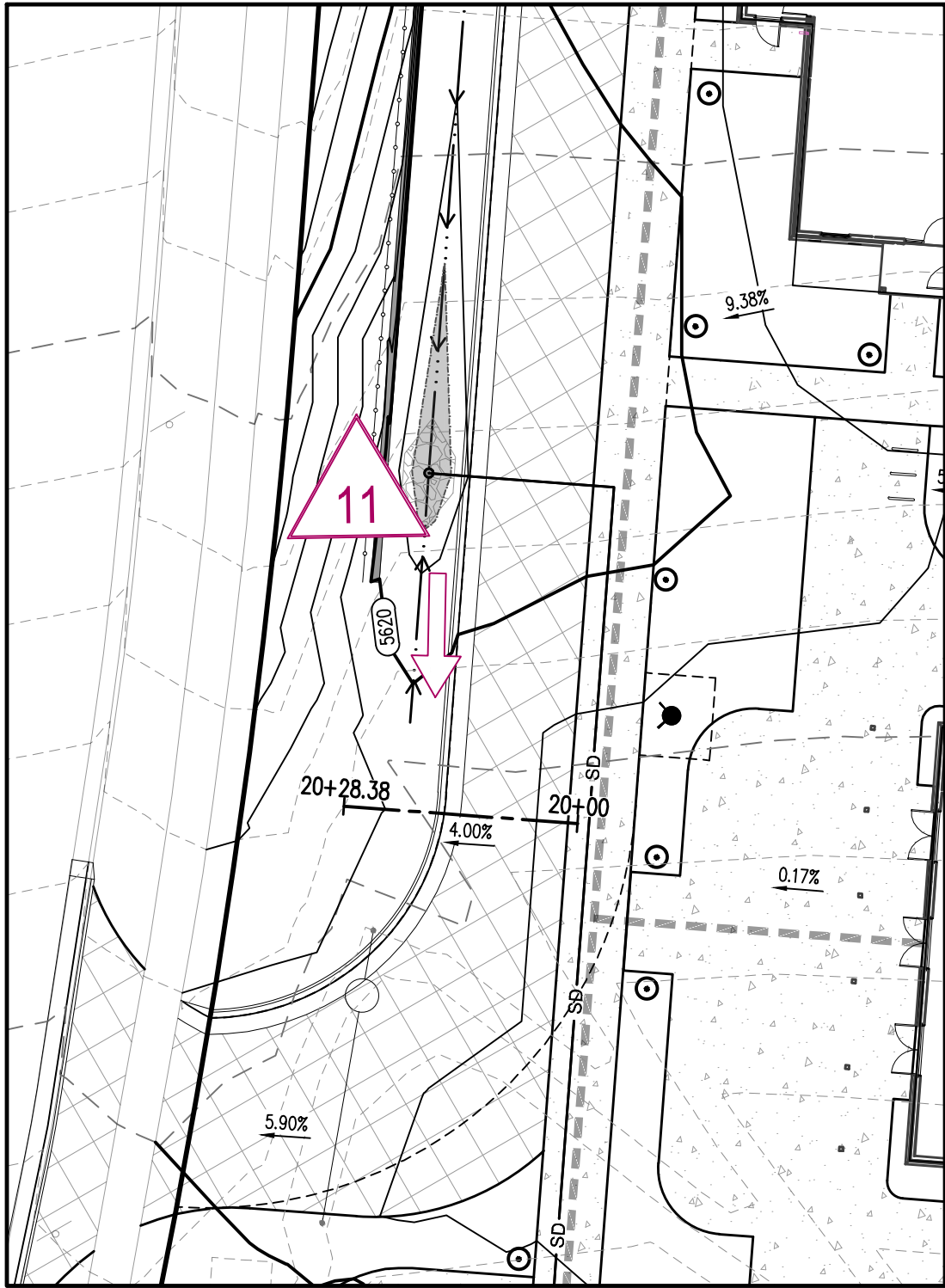
DP 2 EMERGENCY OVERFLOW (STA: 1+00 TO 1+67.36) - SCALE: H: 1"=20' V: 1"=2'



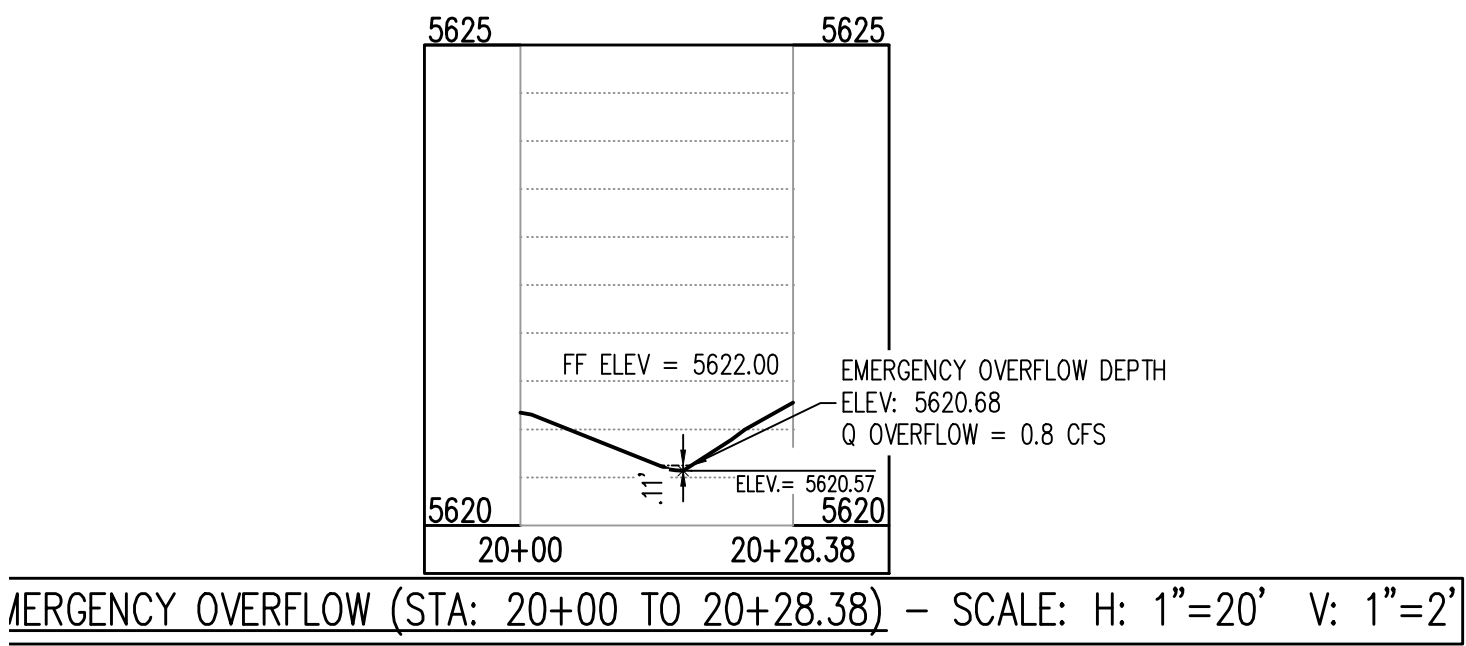
DP 3 TYPE 13 INLET - OVERFLOW



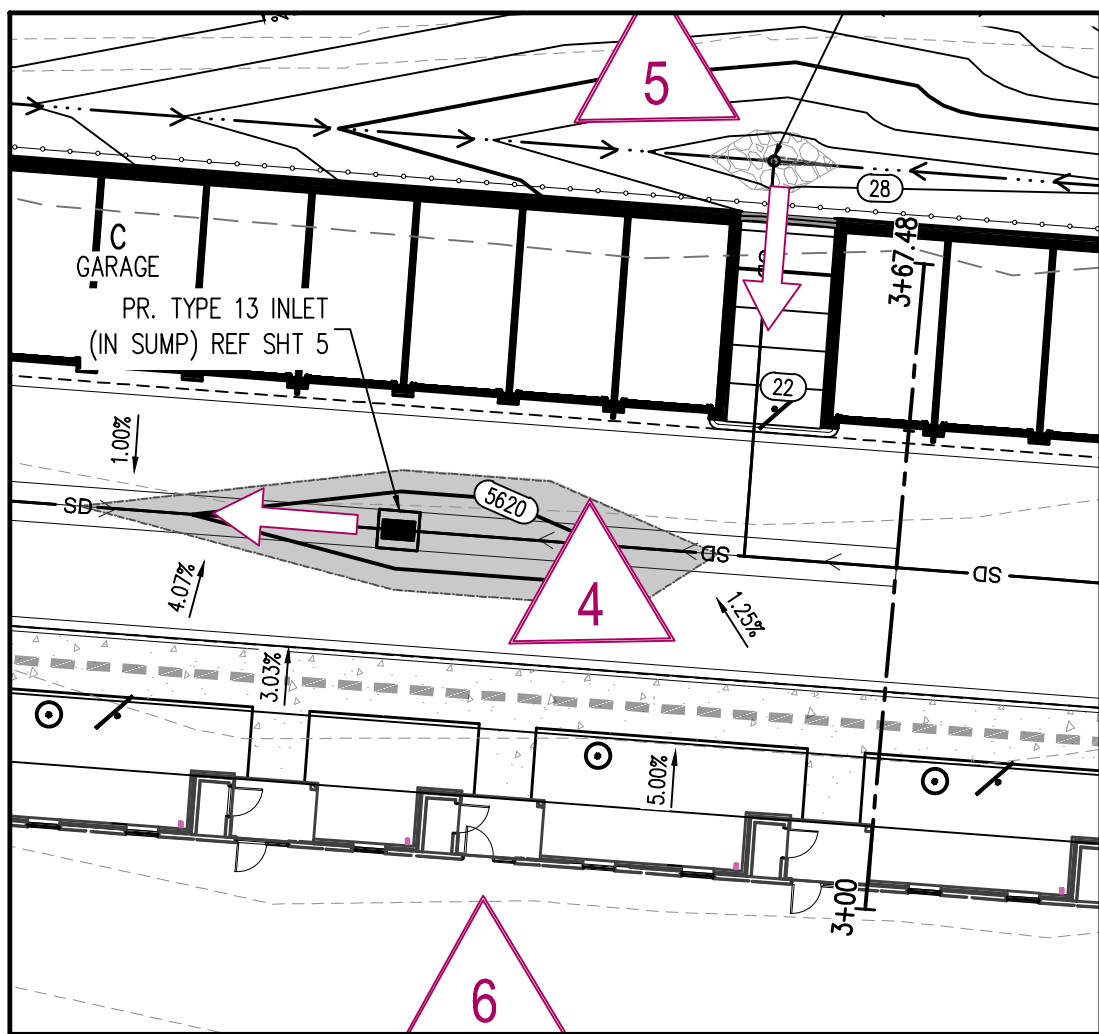
DP 3 EMERGENCY OVERFLOW (STA: 2+00 TO 2+67.48) - SCALE: H: 1"=20' V: 1"=2'



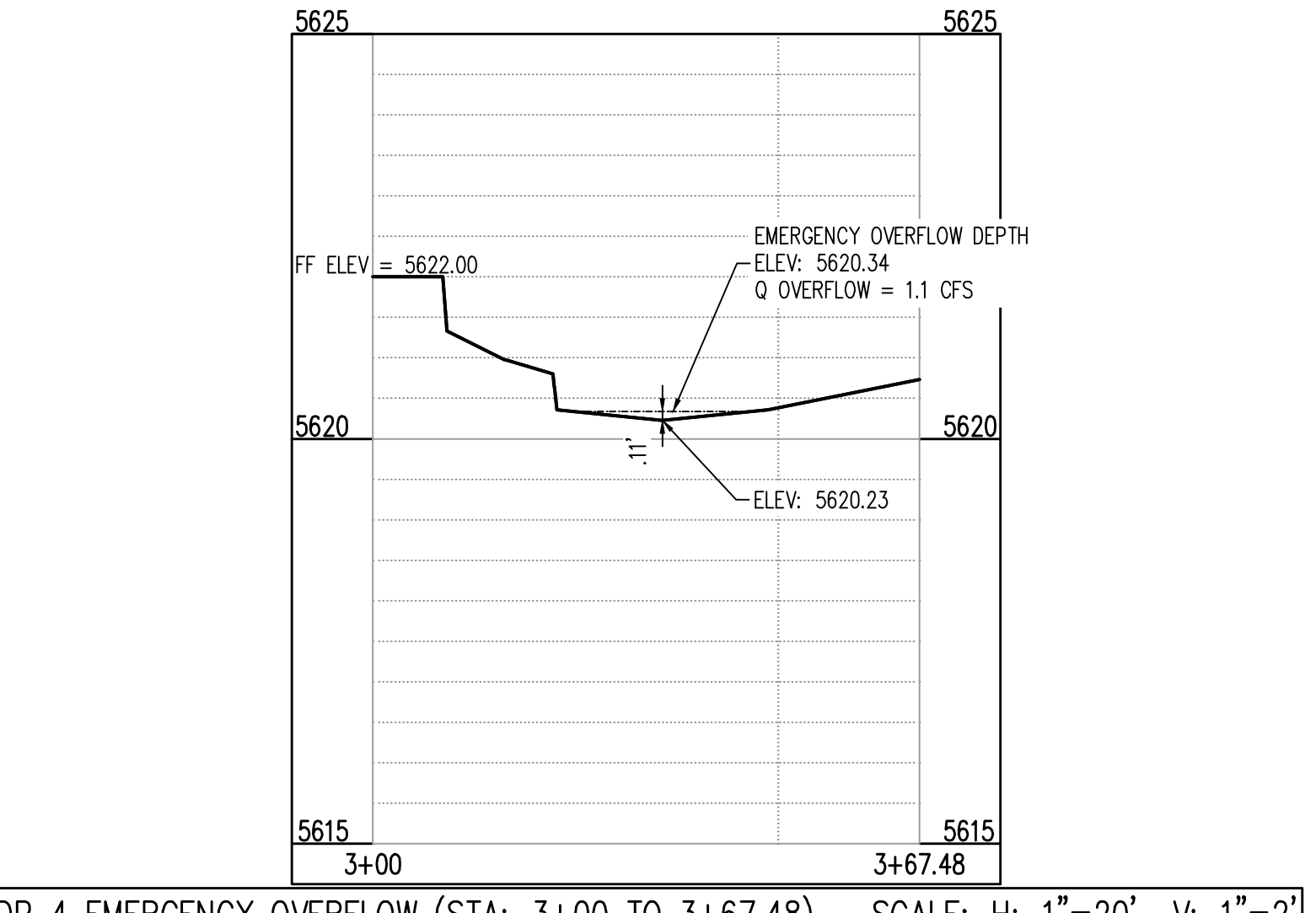
DP 11 ADS AREA INLET - OVERFLOW



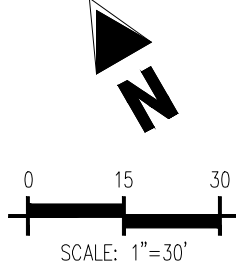
DP 11 EMERGENCY OVERFLOW (STA: 20+00 TO 20+28.38) - SCALE: H: 1"=20' V: 1"=2'



DP 4 TYPE 13 INLET - OVERFLOW



DP 4 EMERGENCY OVERFLOW (STA: 3+00 TO 3+67.48) - SCALE: H: 1"=20' V: 1"=2'



Galloway

5500 Greenwood Plaza Blvd., Suite 200
Greenwood Village, CO 80111
303.770.8884
GallowayUS.com



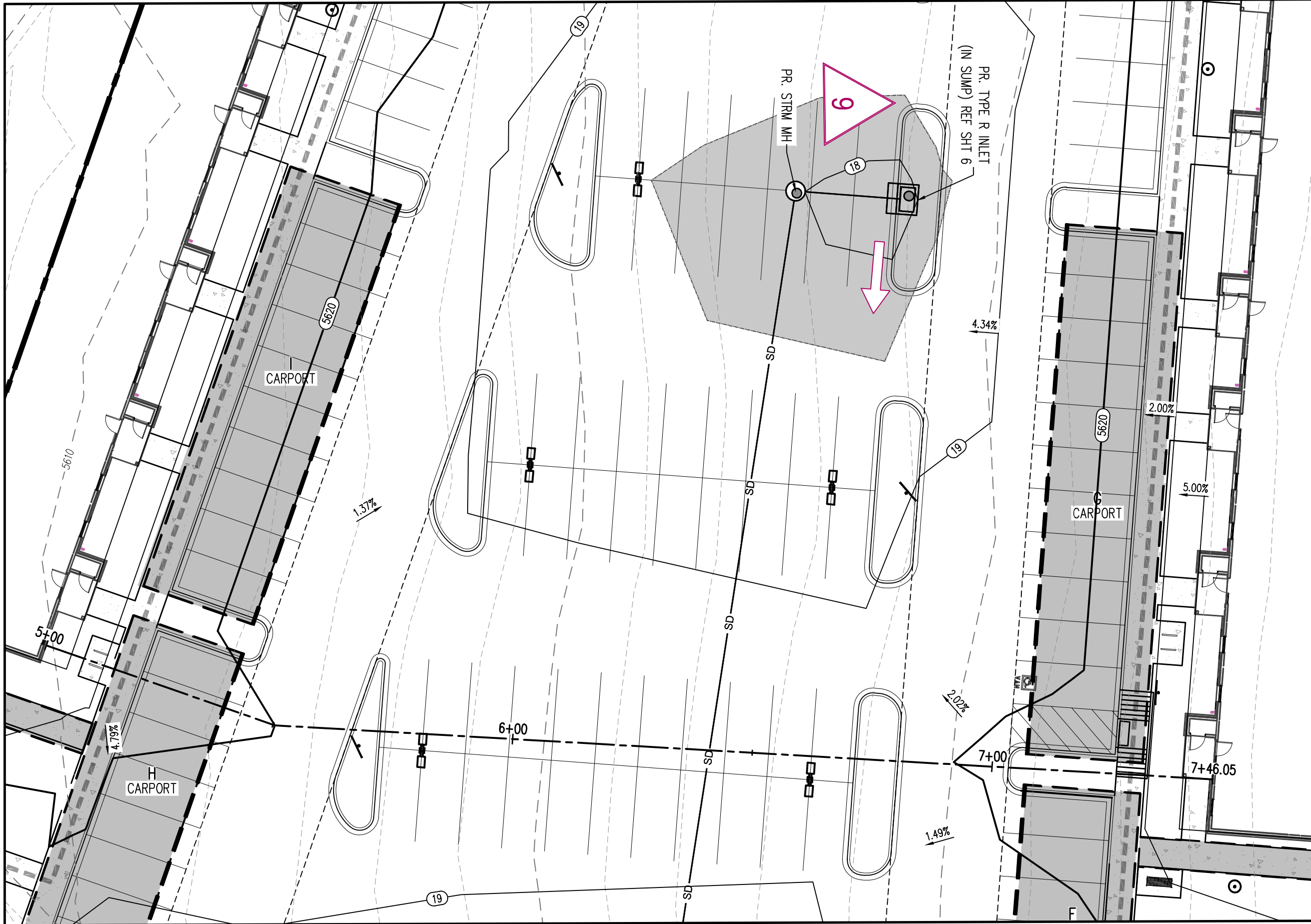
PRELIMINARY DRAINAGE PLAN
CALAMAR 55+ AT STERLING HILLS
LOT 1, BLOCK 1, STERLING HILLS
SUBDIVISION FILING NO. 16

SEC STERLING HILLS PKWY & E VILLANOVA PL
AURORA, COLORADO

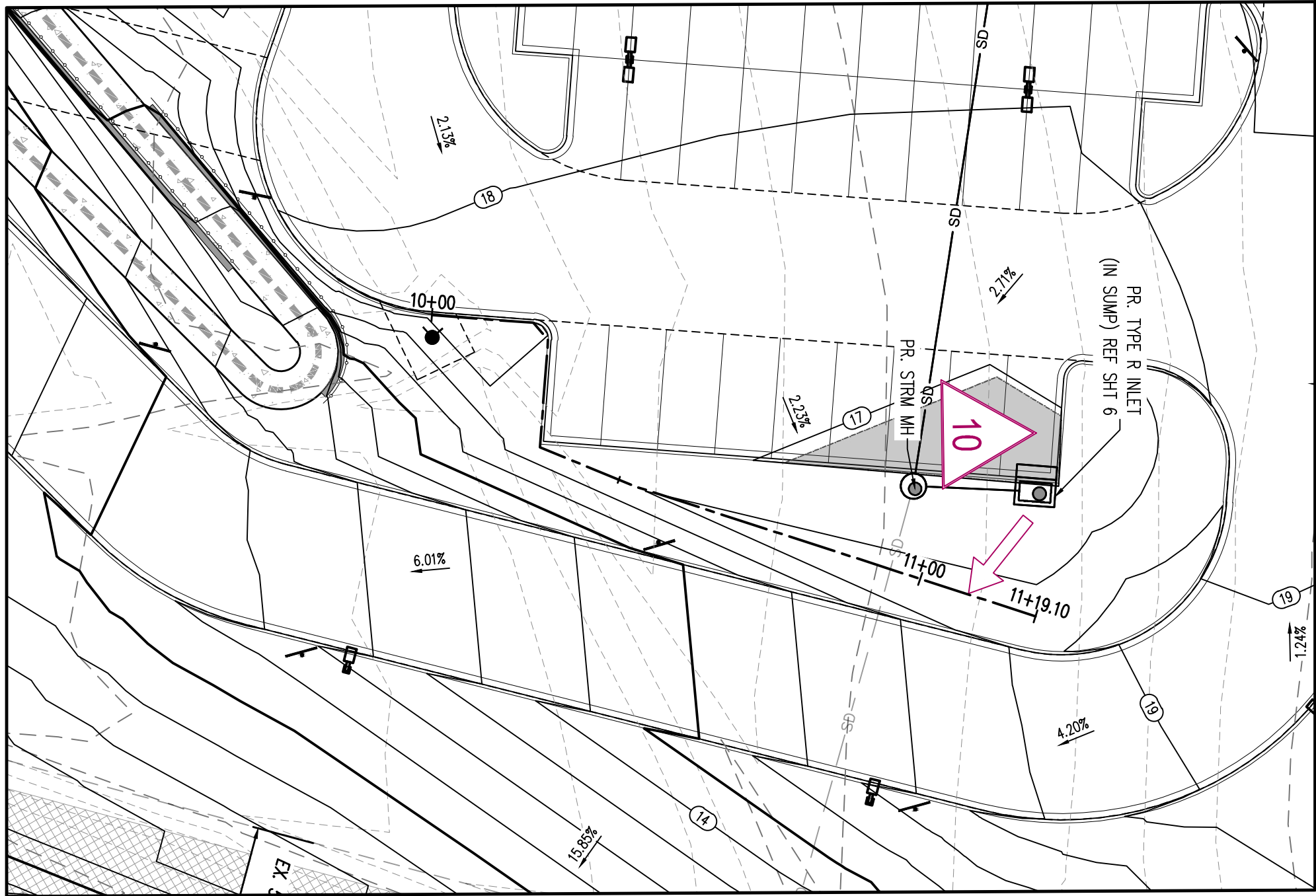
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Project No:	CLM000007
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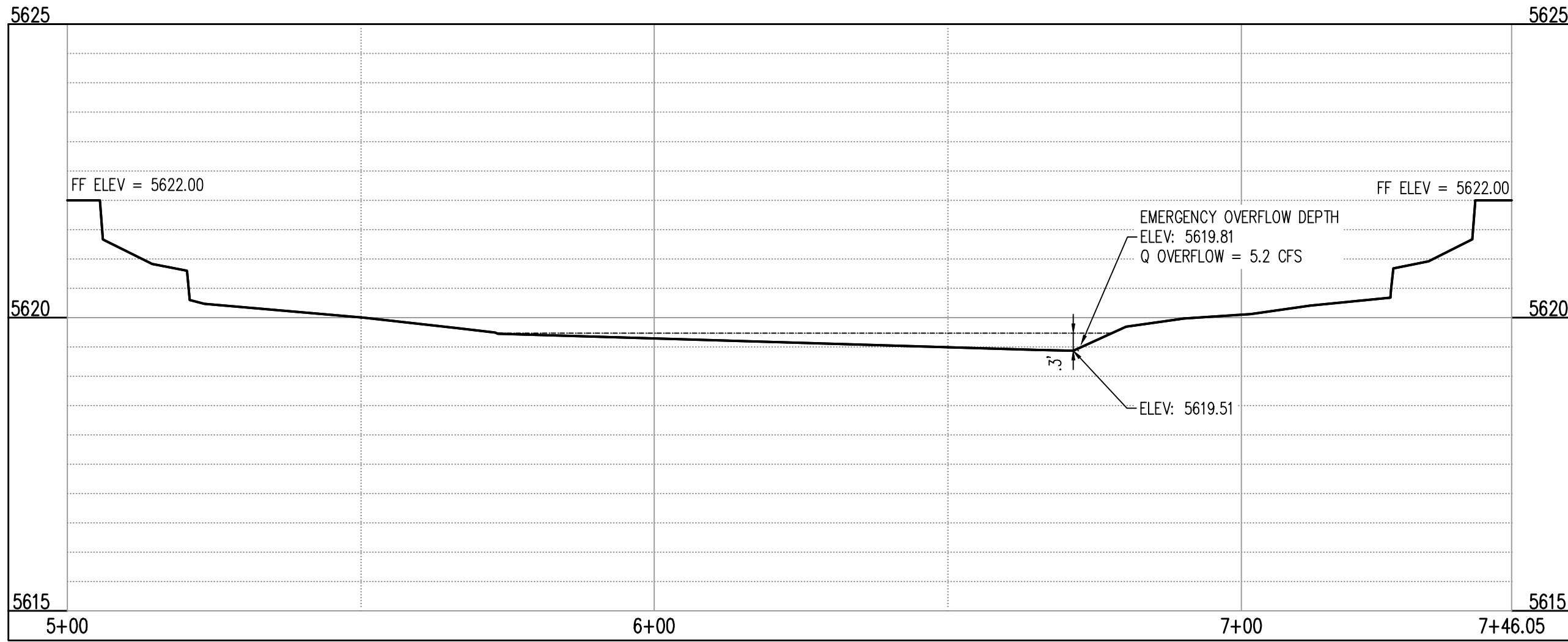
EMERGENCY OVERFLOW SECTIONS



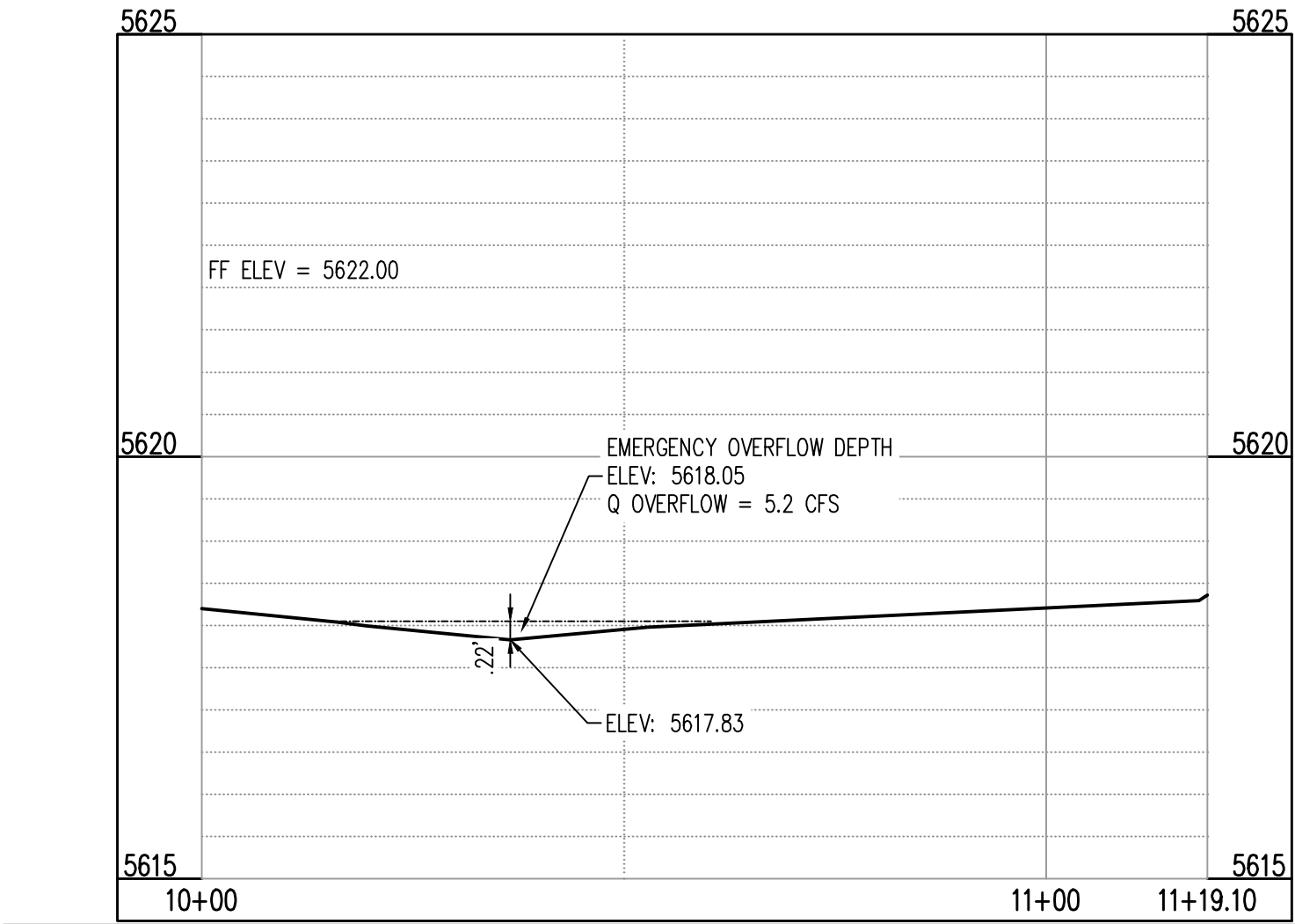
DP 9 TYPE R INLET – OVERFLOW



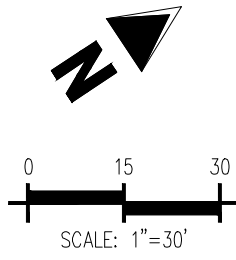
DP 10 TYPE R INLET – OVERFLOW



DP 9 EMERGENCY OVERFLOW (STA: 5+00 TO 7+46.05) – SCALE: H: 1"=20' V: 1"=2'



DP 10 EMERGENCY OVERFLOW (STA: 10+00 TO 11+19.10) – SCALE: H: 1"=20' V: 1"=2'



PRELIMINARY DRAINAGE PLAN
CALAMAR 55+ AT STERLING HILLS
LOT 1, BLOCK 1, STERLING HILLS
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SEC STERLING HILLS PKWY & E VILLANOVA PL
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EMERGENCY OVERFLOW SECTIONS 2