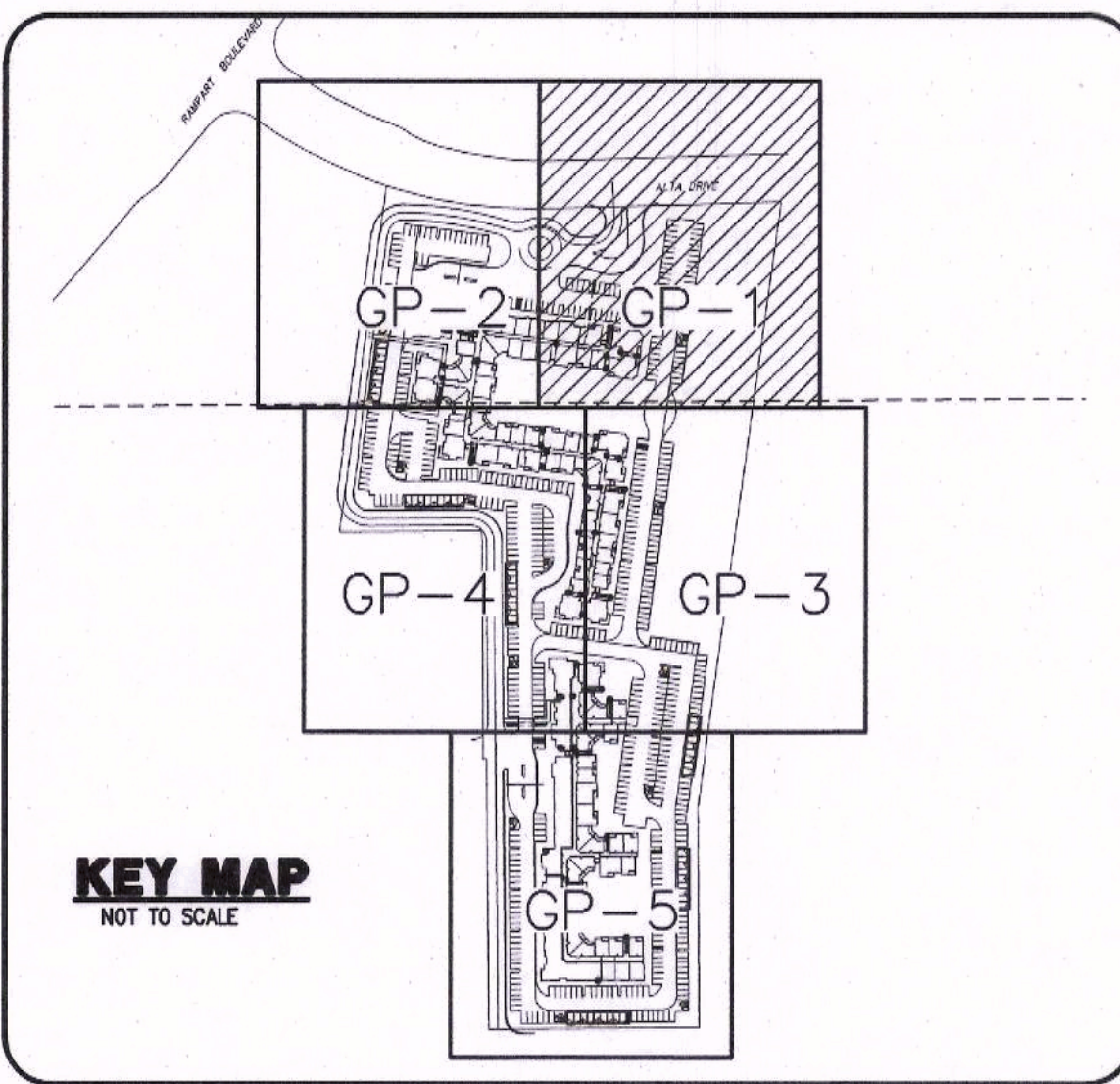
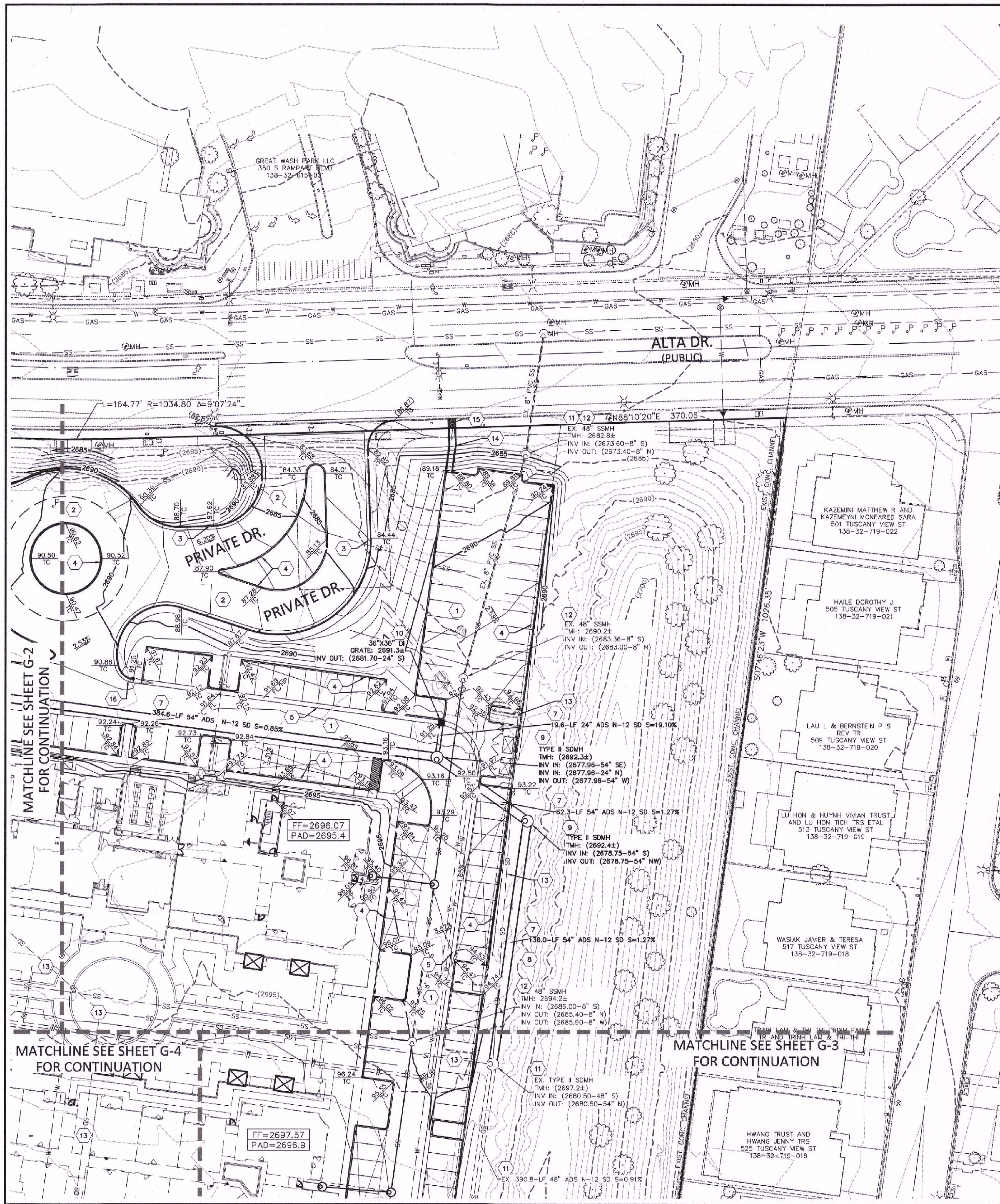




NOTE TO CONTRACTOR
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NOTE
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- CONSTRUCTION NOTES**
- GRADING**
- CONSTRUCT 2" AC OVER 4" TYPE II AB.
 - CONSTRUCT 3" AC OVER 4" TYPE II AB OVER 6" TYPE I AB 95% COMPACTION.
 - CONSTRUCT 24" L TYPE CURB AND GUTTER PER USDOCA DWG NO. 216.
 - CONSTRUCT "A" CURB PER PER USDOCA DWG NO. 219.
 - CONSTRUCT 30" VALLEY GUTTER PER DETAIL I SHT DT-1.
 - CONSTRUCT 8" CROSS GUTTER PER USDOCA DWG NO. 228.
 - INSTALL ADS N-12 STORM DRAIN PIPE, SEE PLAN FOR SIZE.
 - INSTALL ADS INSERTA TEE, SEE PLAN FOR SIZE.
 - CONSTRUCT TYPE II SD MANHOLE PER USDOCA DWG NO. 405.2, SEE PLAN FOR SIZE.
 - CONSTRUCT JENSEN PRECAST SD DRAIN INLET PER DETAIL A SHT DT-2 WITH TRAFFIC FRAME AND GRATE. SEE PLAN FOR SIZE. USE EXTENSIONS AS NEEDED.
 - RETAIN AND PROTECT EXISTING STORM DRAIN STRUCTURE.
 - ADJUST TO NEW FINISH GRADE.
 - ABANDON EXISTING STORM DRAIN STRUCTURE.
 - CONSTRUCT 3" CONC. U-CHANNEL, SEE DETAIL K SHT DT-1.
 - CONSTRUCT SIDEWALK UNDERDRAIN PER USDOCA DWG NO. 236.
 - CONSTRUCT 5' L-CURB TO A-CURB TRANSITION PER DETAIL J SHT. DT-1.
- NOTE: SEE SHEET C2, C3 & C4 FOR ABBREVIATIONS AND QUANTITIES

BENCHMARK

STATION	ELEVATION	DESCRIPTION
OLV00 32C4	820.819 (M) 2692.97 (FT.)	BEING A RIVET & PLATE TOP CURB SE CORNER OF RAMPART AND ALTA.

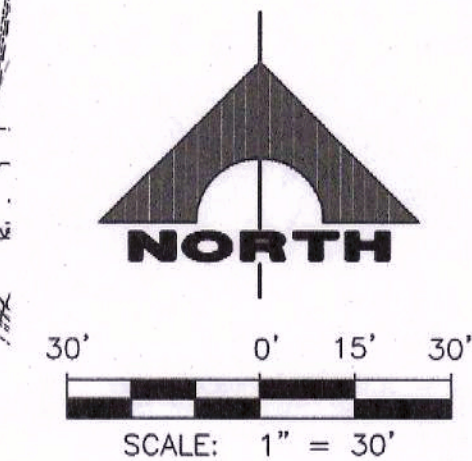
CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007)
BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88)
ADD 2000 TO ALL SPOT ELEVATION TAGS.

BASIS OF BEARINGS
SOUTH 00°32'07" EAST, BEING THE BEARING OF THE CENTERLINE OF RAMPART BOULEVARD AS SHOWN IN FILE 117, PAGE 83 OF PARCEL MAPS ON FILE AT CLARK COUNTY, NEVADA RECORDER'S OFFICE.

DRAINAGE CERTIFICATION
I CERTIFY THAT THE GRADING PLANS ARE IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

TODD N. KELLEY P.E. 14711 DATE _____

H# _____ CLV DWG# _____



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Avoid cutting underground utility lines. It's costly.

Call
811
OR
1-800-227-2600

FAST

Call before you UnderGround
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

ENGINEER
TODD N. KELLEY
P.E. 14711
PROFESSIONAL
No. 14711

PROJECT NO.
894-002

DESIGN:
DRAWN:
CHECK:
PLOT DATE: 03-22-18
PLOT TIME: 09:52:58

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

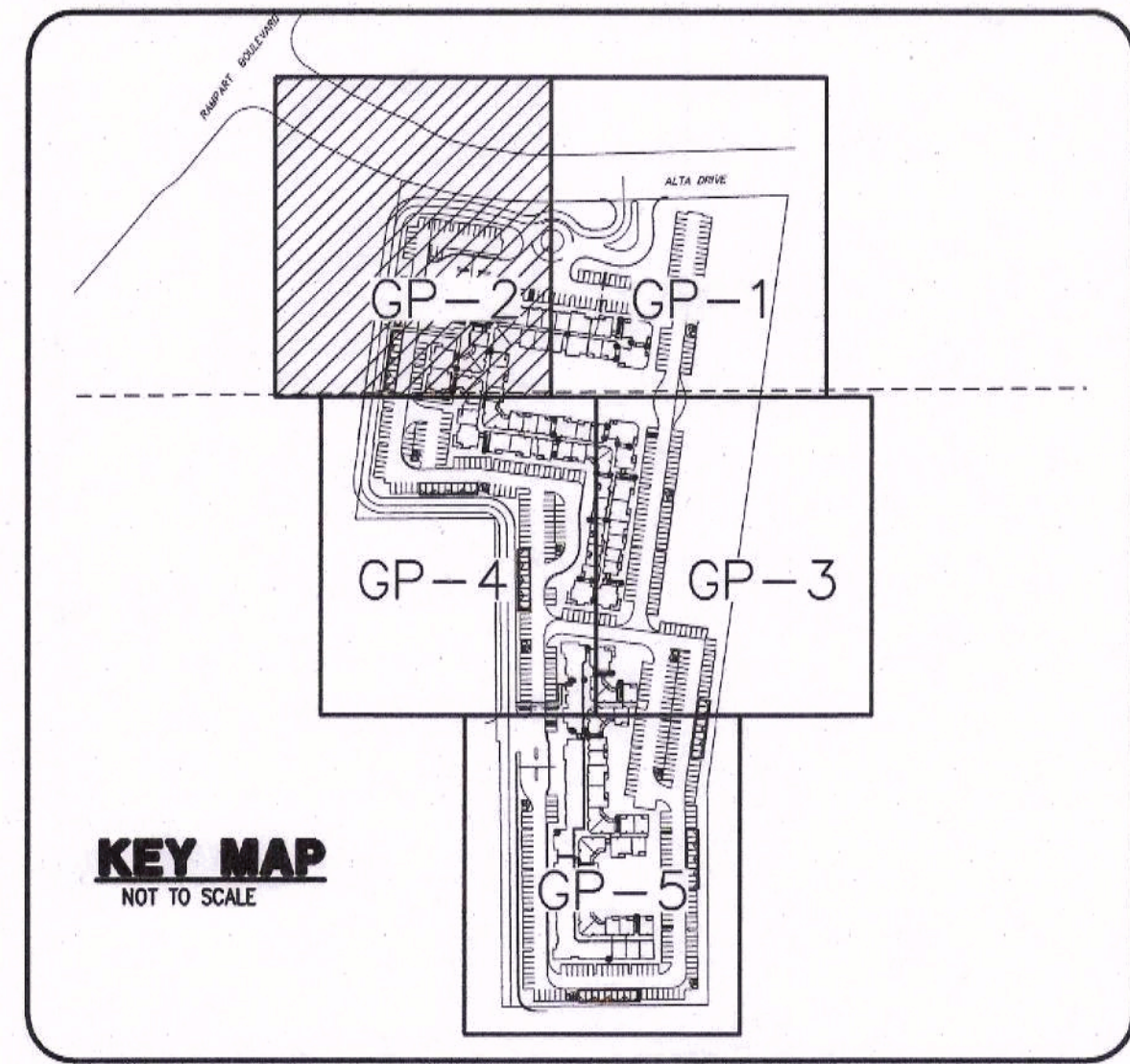
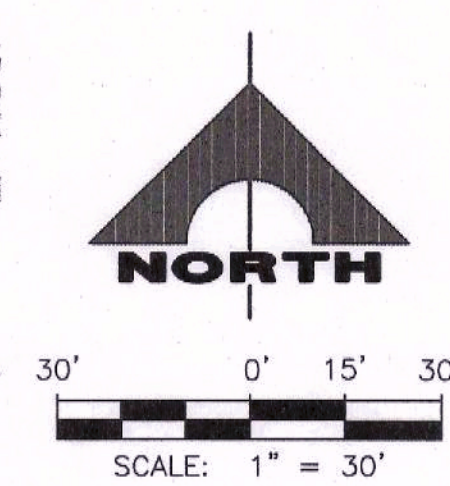
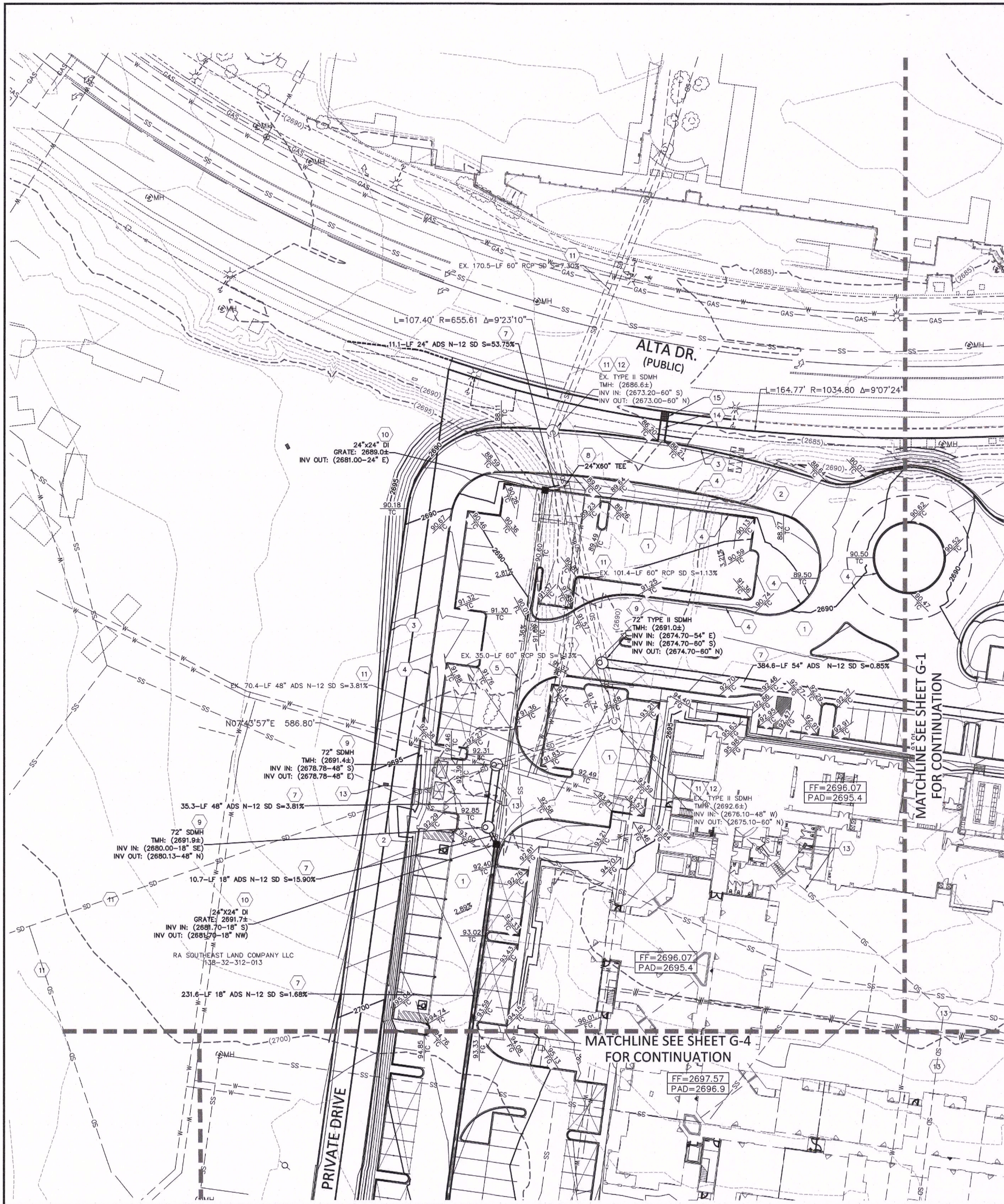
GCW
ENGINEERS & SURVEYORS

F:\Projects\894\894-002\DWG\Production\8942201.dwg

THE CALIDA GROUP
ELYSIAN AT RENAISSANCE

GRADING PLAN 1

DRAWING
GP-1
11 OF 31 SHTS



NOTE TO CONTRACTOR
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NOTE
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- CONSTRUCTION NOTES**
- GRADING**
1. CONSTRUCT 2" AC OVER 4" TYPE II AB.
 2. CONSTRUCT 3" AC OVER 4" TYPE II AB OVER 6" TYPE I AB 95% COMPACTION.
 3. CONSTRUCT 24" L TYPE CURB AND GUTTER PER USDOCA DWG NO. 216.
 4. CONSTRUCT "A" CURB PER PER USDOCA DWG NO. 219.
 5. CONSTRUCT 30" VALLEY GUTTER PER DETAIL I SHT DT-1.
 6. CONSTRUCT 8" CROSS GUTTER PER USDOCA DWG NO. 228.
 7. INSTALL ADS N-12 STORM DRAIN PIPE, SEE PLAN FOR SIZE.
 8. INSTALL ADS INSERTA TEE, SEE PLAN FOR SIZE.
 9. CONSTRUCT TYPE II SD MANHOLE PER USDOCA DWG NO. 405.2, SEE PLAN FOR SIZE.
 10. CONSTRUCT JENSEN PRECAST SD DRAIN INLET PER DETAIL A SHT DT-2 WITH TRAFFIC FRAME AND GRATE. SEE PLAN FOR SIZE, USE EXTENSIONS AS NEEDED.
 11. RETAIN AND PROTECT EXISTING STORM DRAIN STRUCTURE.
 12. ADJUST TO NEW FINISH GRADE.
 13. ABANDON EXISTING STORM DRAIN STRUCTURE.
 14. CONSTRUCT 3" CONC. U-CHANNEL, SEE DETAIL K SHT DT-1.
 15. CONSTRUCT SIDEWALK UNDERDRAIN PER USDOCA DWG NO. 236.
 16. CONSTRUCT 5' L-CURB TO A-CURB TRANSITION PER DETAIL J SHT. DT-1.
- NOTE: SEE SHEET C2, C3 & C4 FOR ABBREVIATIONS AND QUANTITIES

BENCHMARK		
STATION	ELEVATION	DESCRIPTION
Q1V00 32C4	820.819 (M) 2692.97 (FT.)	BEING A RIVET & PLATE TOP CURB SE CORNER OF RAMPART AND ALTA.

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007)
BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88)
ADD 2000 TO ALL SPOT ELEVATION TAGS.

BASIS OF BEARINGS
SOUTH 00°32'07" EAST, BEING THE BEARING OF THE CENTERLINE OF RAMPART BOULEVARD AS SHOWN IN FILE 117, PAGE 83 OF PARCEL MAPS ON FILE AT CLARK COUNTY, NEVADA RECORDER'S OFFICE.

DRAINAGE CERTIFICATION
I CERTIFY THAT THE GRADING PLANS ARE IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY _____ ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

TODD N. KELLEY P.E. 14711 DATE _____

H# _____ CLV DWG# _____

PROJECT NO. 894-002
DESIGN: _____
DRAWN: _____
CHECK: _____
PLOT DATE: 03-22-18
PLOT TIME: 10:00:59

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowingengineering.com

THE CALIDA GROUP
ELYSIAN AT RENAISSANCE
GRADING PLAN 2

DRAWING
GP-2
12 OF 31 SHTS

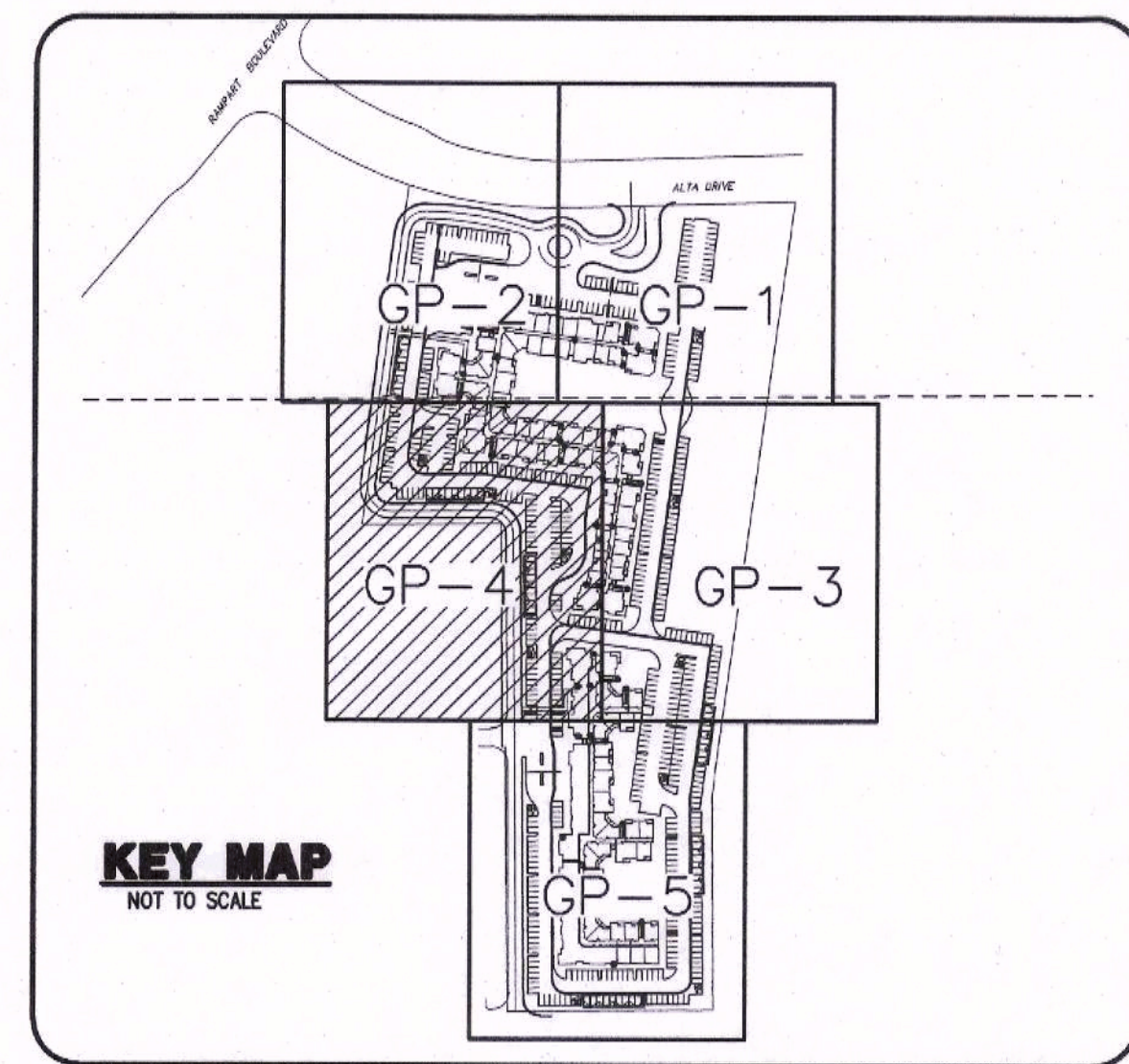
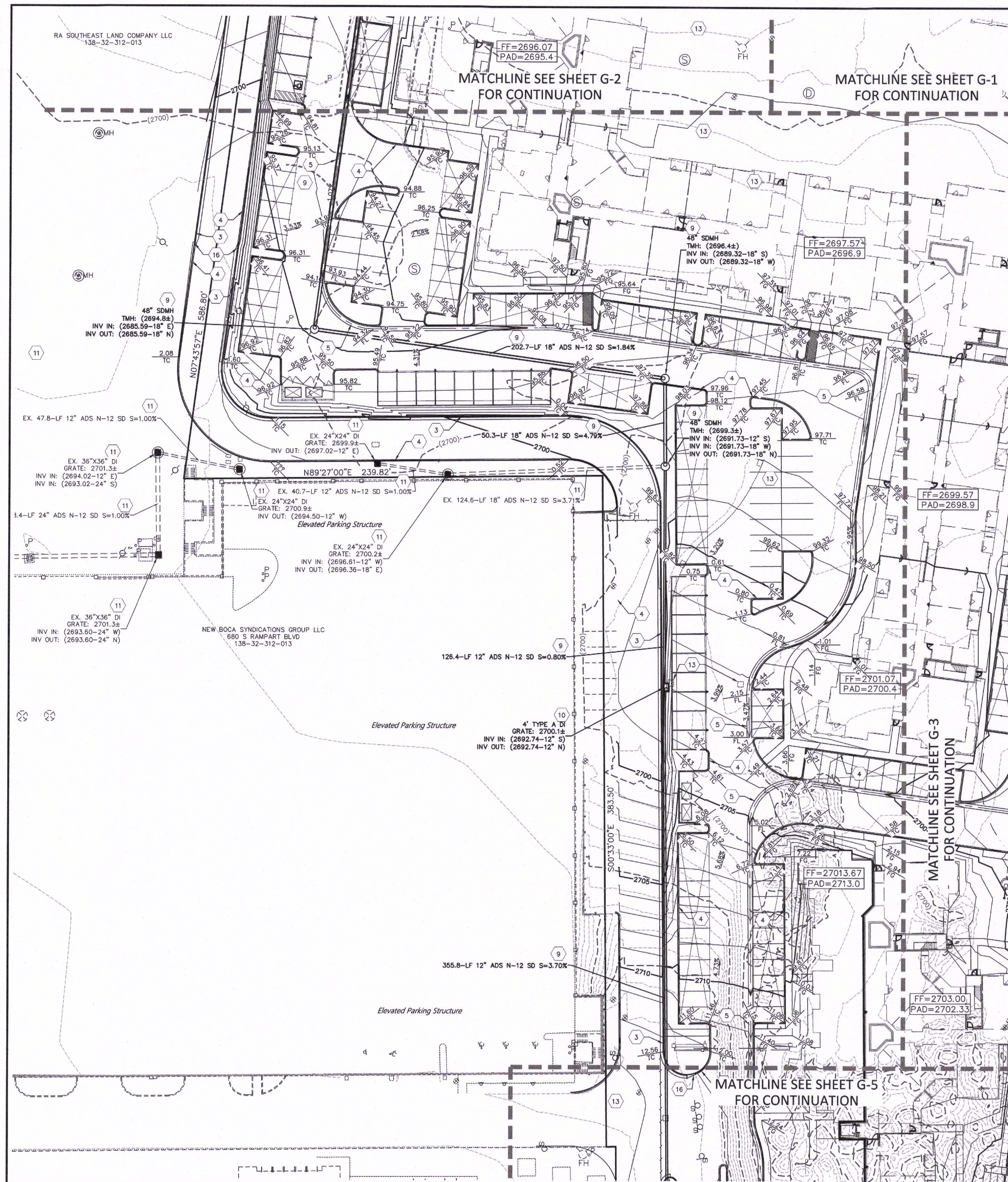
Call before you Dig
Avoid cutting underground utility lines. It's costly.

Call 811
OR
1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION

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CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929



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CONSTRUCTION NOTES

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2. CONSTRUCT 3" AC OVER 4" TYPE II AB OVER 6" TYPE I AB 95% COMPACTION.
3. CONSTRUCT 24" L TYPE CURB AND GUTTER PER USDOCA DWG NO. 216.
4. CONSTRUCT "A" CURB PER PER USDOCA DWG NO. 219.
5. CONSTRUCT 30" VALLEY GUTTER PER DETAIL I SHT DT-1.
6. CONSTRUCT 6" CROSS GUTTER PER USDOCA DWG NO. 228.
7. INSTALL ADS N-12 STORM DRAIN PIPE, SEE PLAN FOR SIZE.
8. INSTALL ADS INSERTA TEE, SEE PLAN FOR SIZE.
9. CONSTRUCT TYPE II SD MANHOLE PER USDOCA DWG NO. 406.2, SEE PLAN FOR SIZE.
10. CONSTRUCT JENSEN PRECAST SD DRAIN INLET PER DETAIL A SHT DT-2 WITH TRAFFIC FRAME AND GRATE. SEE PLAN FOR SIZE. USE EXTENSIONS AS NEEDED.
11. RETAIN AND PROTECT EXISTING STORM DRAIN STRUCTURE.
12. ADJUST TO NEW FINISH GRADE.
13. ABANDON EXISTING STORM DRAIN STRUCTURE.
14. CONSTRUCT 3" CONC. U-CHANNEL, SEE DETAIL K SHT DT-1.
15. CONSTRUCT SIDEWALK UNDERDRAM PER USDOCA DWG NO. 236.
16. CONSTRUCT 5' L-CURB TO A-CURB TRANSITION PER DETAIL J SHT. DT-1.

NOTE: SEE SHEET C2, C3 & C4 FOR ABBREVIATIONS AND QUANTITIES

BENCHMARK

STATION	ELEVATION	DESCRIPTION
OLV00 32C4	820.819 (M) 2692.97 (FT.)	BEING A RIVET & PLATE TOP CURB SE CORNER OF RAMPART AND ALTA.

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007)
BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88)
ADD 2000 TO ALL SPOT ELEVATION TAGS.

BASIS OF BEARINGS

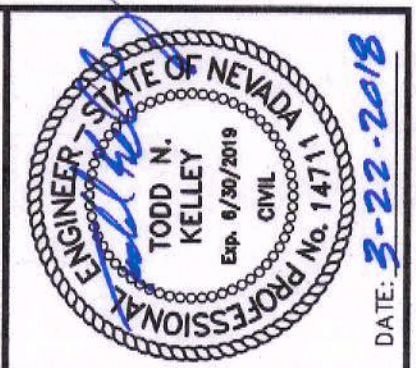
SOUTH 00°32'07" EAST, BEING THE BEARING OF THE CENTERLINE OF RAMPART BOULEVARD AS SHOWN IN FILE 117, PAGE 63 OF PARCEL MAPS ON FILE AT CLARK COUNTY, NEVADA RECORDER'S OFFICE.

DRAINAGE CERTIFICATION

I CERTIFY THAT THE GRADING PLANS ARE IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

TODD N. KELLEY P.E. 14711 DATE

H# - CLV DWG# -



PROJECT NO.	DATE	AGN APP	DATE	GCW APP	DATE
894-002					
DESIGN	DRAWN	CHECK	DATE	REV	DATE

GCV
ENGINEERS \ SURVEYORS

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2289
gcvengineering.com

PROJECT NO. 894-002
DESIGN: [blank]
DRAWN: [blank]
CHECK: [blank]
PLOT DATE: 03-22-18
PLOT TIME: 10:18:49
F:\Projects\894-002\DWG\Production\894-002.dwg
Todd Kelley

THE CALIDA GROUP
ELYSIAN AT RENAISSANCE
GRADING PLAN 4

DRAWING
GP-4
14 OF 31 SHTS

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OR
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FAST

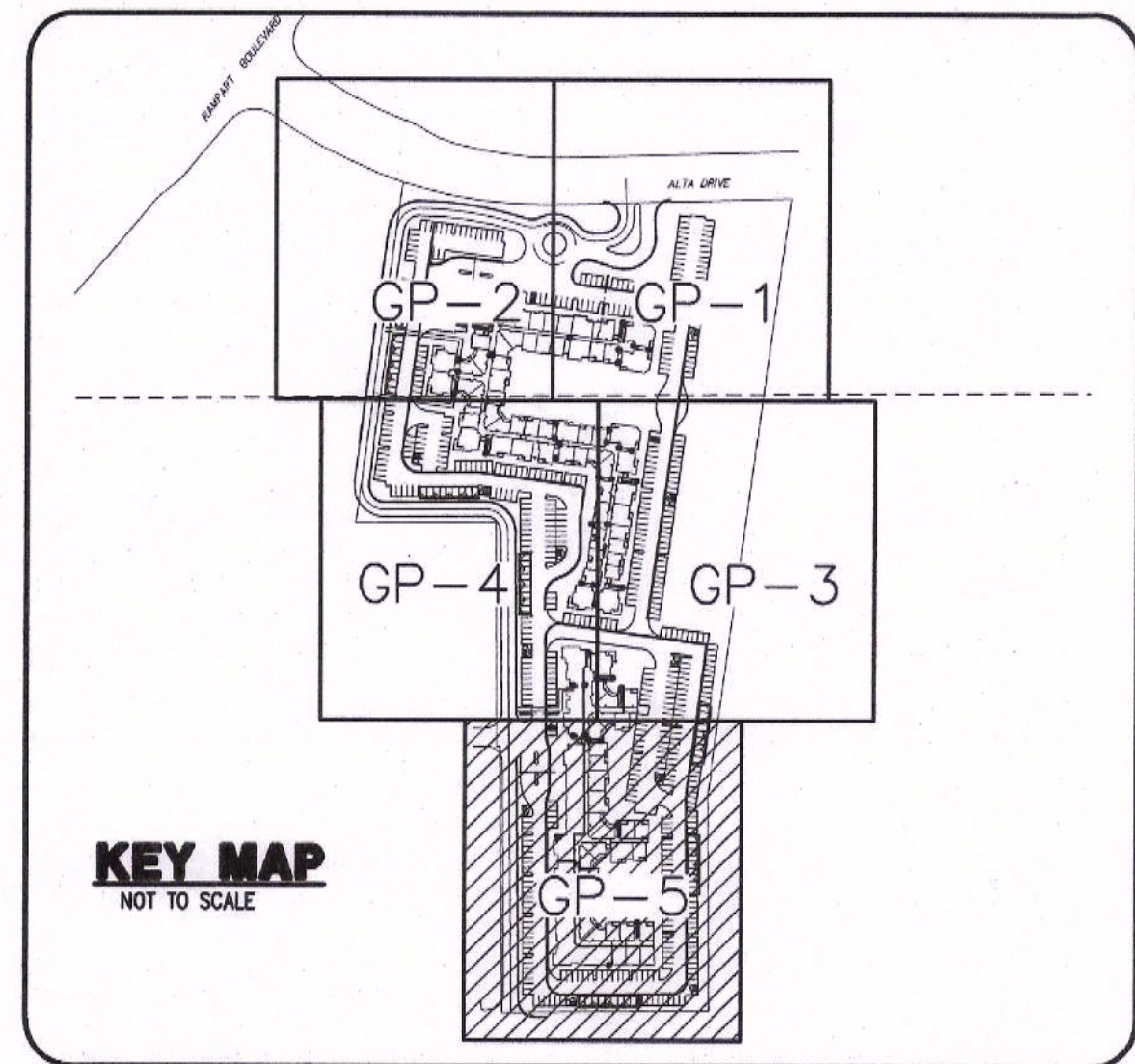
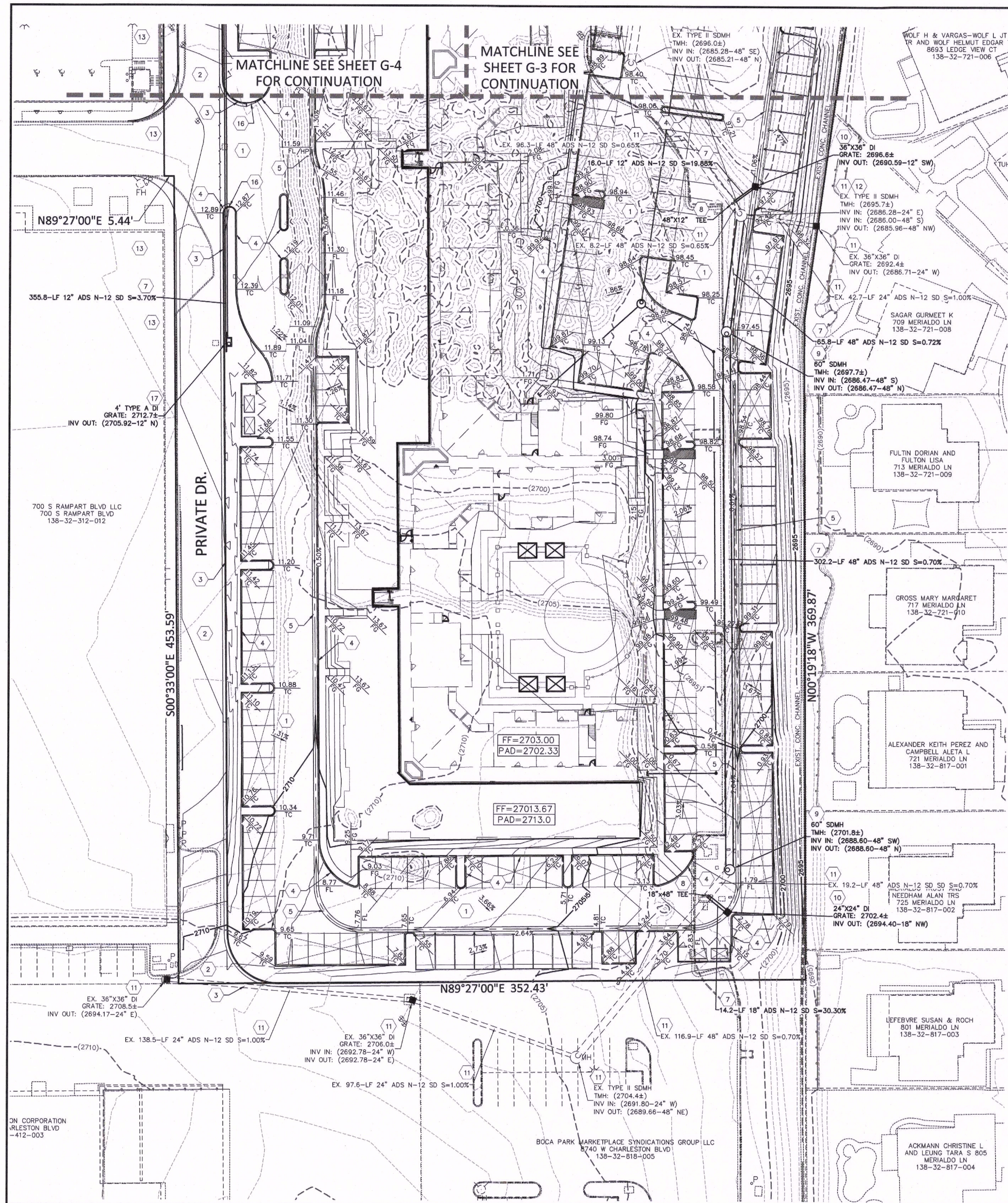
Call
before you
UnderGround
1-702-432-5300
TRENCH AND MATERIAL
SYSTEMS OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE
YOU DO
OVERHEAD

1-702-227-2929

NOT FOR CONSTRUCTION



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CONSTRUCTION NOTES

GRADING

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6. CONSTRUCT 8" CROSS GUTTER PER USDOCA DWG NO. 228.
7. INSTALL ADS N-12 STORM DRAIN PIPE, SEE PLAN FOR SIZE.
8. INSTALL ADS INSERTA TEE, SEE PLAN FOR SIZE.
9. CONSTRUCT TYPE II SD MANHOLE PER USDOCA DWG NO. 405.2, SEE PLAN FOR SIZE.
10. CONSTRUCT JENSEN PRECAST SD DRAIN INLET PER DETAIL A SHT DT-2 WITH TRAFFIC FRAME AND GRATE.
11. SEE PLAN FOR SIZE, USE EXTENSIONS AS NEEDED.
12. RETAIN AND PROTECT EXISTING STORM DRAIN STRUCTURE.
13. ADJUST TO NEW FINISH GRADE.
14. ABANDON EXISTING STORM DRAIN STRUCTURE.
15. CONSTRUCT 3" CONC. U-CHANNEL, SEE DETAIL K SHT DT-1.
16. CONSTRUCT SIDEWALK UNDERDRAIN PER USDOCA DWG NO. 236.
17. CONSTRUCT 5" L-CURB TO A-CURB TRANSITION PER DETAIL J SHT. DT-1.

NOTE: SEE SHEET C2, C3 & C4 FOR ABBREVIATIONS AND QUANTITIES

BENCHMARK

STATION	ELEVATION	DESCRIPTION
OLVOD 32C4	820.819 (M) 2692.97 (FT.)	BEING A RIVET & PLATE TOP CURB SE CORNER OF RAMPART AND ALTA.

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007)
BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88)
ADD 2000 TO ALL SPOT ELEVATION TAGS.

BASIS OF BEARINGS

SOUTH 00°32'07" EAST, BEING THE BEARING OF THE CENTERLINE OF RAMPART BOULEVARD AS SHOWN IN FILE 117, PAGE 83 OF PARCEL MAPS ON FILE AT CLARK COUNTY, NEVADA RECORDER'S OFFICE.

DRAINAGE CERTIFICATION

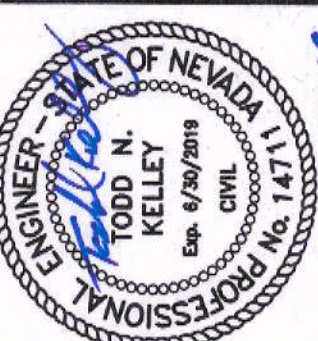
I CERTIFY THAT THE GRADING PLANS ARE IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

TODD N. KELLEY P.E. 14711

DATE

H# -

CLV DWG# -



NOT FOR CONSTRUCTION

DATE 3-22-2018

DATE 3-22-2018

DATE 3-22-2018

DATE 3-22-2018

DATE 3-22-2018

DATE 3-22-2018

DATE 3-22-2018

DATE 3-22-2018

DATE 3-22-2018

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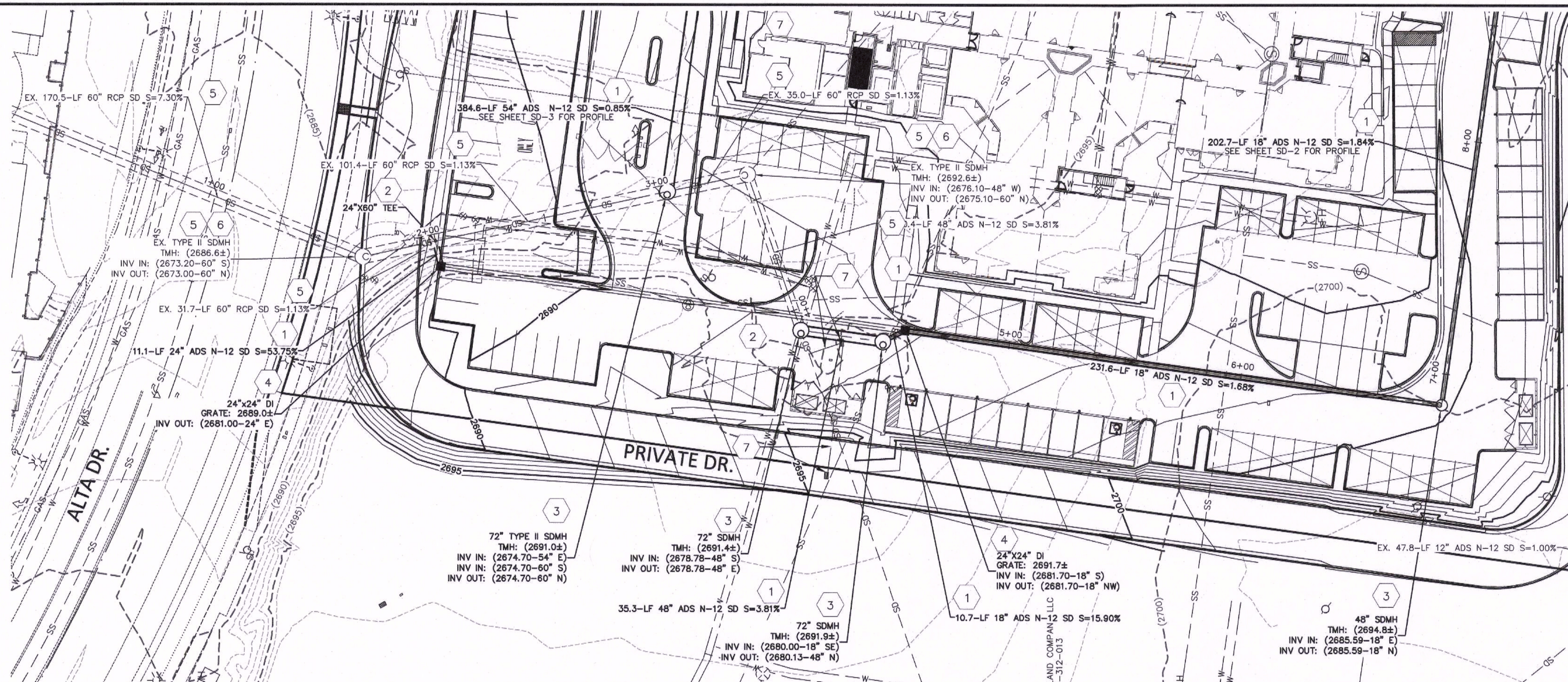
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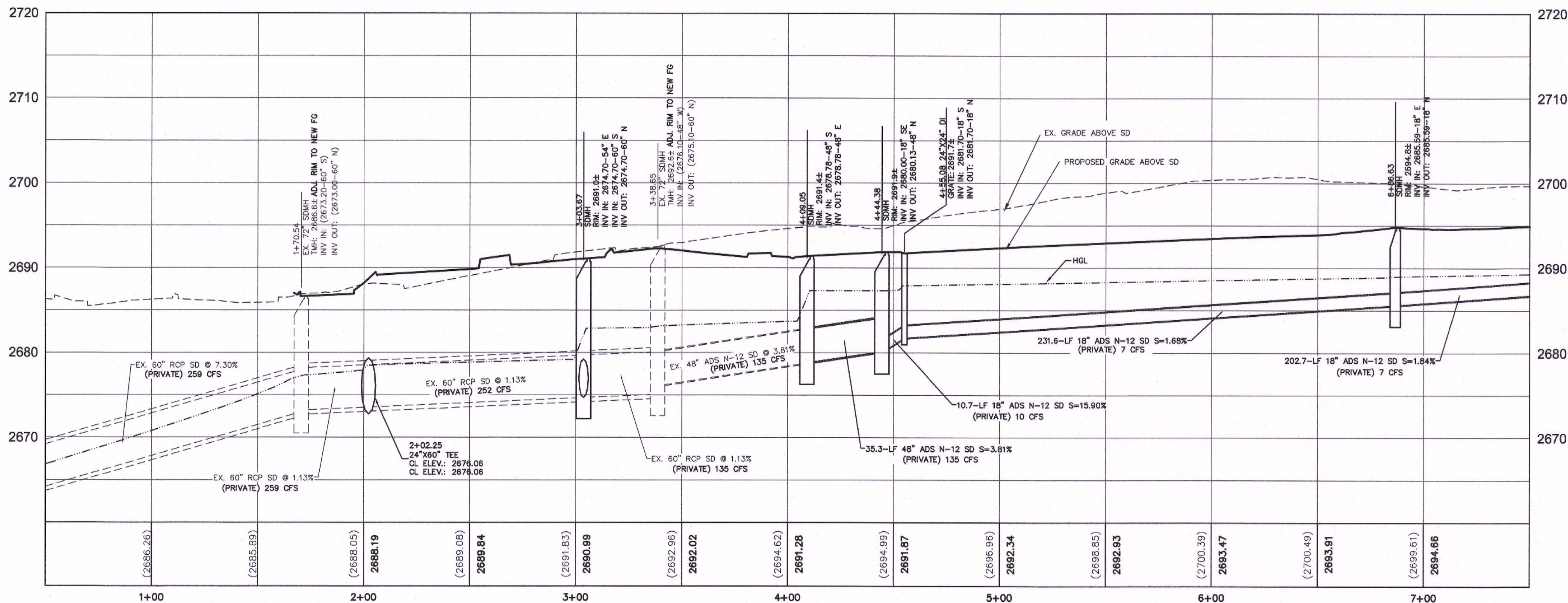
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DATE 3-22-2018



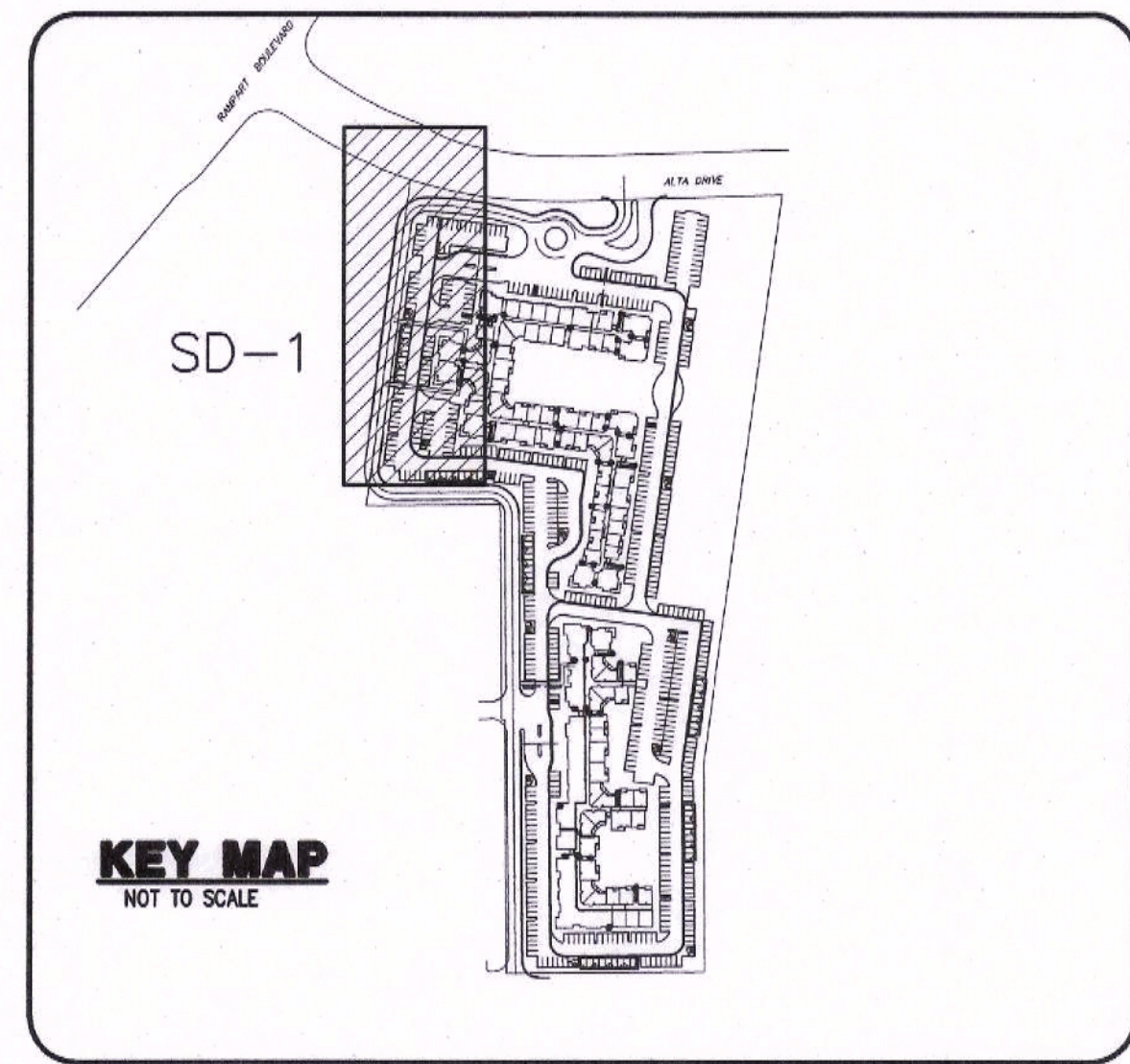
SD-1 PLAN VIEW

SCALE: 1"=30' HORIZONTAL



SD-1 PROFILE

SCALE: 1"=30' HORIZONTAL
1"=3' VERTICAL



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OR
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FAST
Call before you UnderGround
1-702-432-5300
TRENCH AND TIE-IN SYSTEM OF TRANSPORTATION

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- CONSTRUCTION NOTES**
- STORM DRAIN**
- INSTALL ADS N-12 STORM DRAIN PIPE, SEE PLAN FOR SIZE.
 - INSTALL ADS INSERTA TEE, SEE PLAN FOR SIZE.
 - CONSTRUCT TYPE II SD MANHOLE PER USDOCA DWG NO. 405.2, SEE PLAN FOR SIZE.
 - CONSTRUCT 1500 PRECAST SD DROP INLET WITH TRAFFIC FRAME AND GRATE PER DETAIL SHEET P-2. SEE PLAN FOR SIZE. USE EXTENSIONS AS NEEDED.
 - RETAIN AND PROTECT EXISTING STORM DRAIN STRUCTURE.
 - ADJUST TO NEW FINISH GRADE.
 - ABANDON EXISTING STORM DRAIN STRUCTURE.
- NOTE: SEE SHEET C2, C3 & C4 FOR ABBREVIATIONS AND QUANTITIES

BENCHMARK		
STATION	ELEVATION	DESCRIPTION
OLV00 32C4	820.819 (M) S T 2692.97 (FT.)	BEING A RIVET & PLATE TOP CURB SE CORNER OF RAMPART AND ALTA.

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007)
BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88)
ADD 2000 TO ALL SPOT ELEVATION TAGS.

BASIS OF BEARINGS
SOUTH 00°32'07" EAST, BEING THE BEARING OF THE CENTERLINE OF RAMPART BOULEVARD AS SHOWN IN FILE 117, PAGE 83 OF PARCEL MAPS ON FILE AT CLARK COUNTY, NEVADA RECORDER'S OFFICE.

ENGINEER
TODD N. KELLEY
No. 14711
CIVIL
DATE: 3-22-2018

PROJECT NO.
894-002

DESIGN:
DRAWN:
CHECK:
PLOT DATE: 03-22-18
PLOT TIME: 10:29:06

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gocwengineers.com

THE CALIDA GROUP
ELYSIAN AT RENAISSANCE

STORM DRAIN PLAN AND PROFILE 1

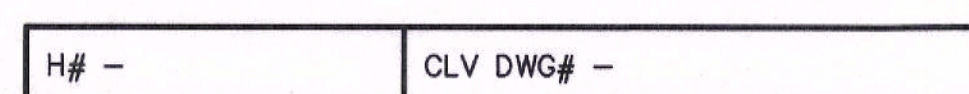
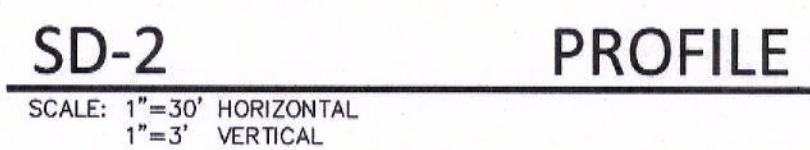
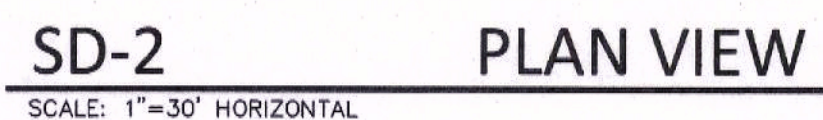
DRAWING
SD-1
16 OF 31 SHTS

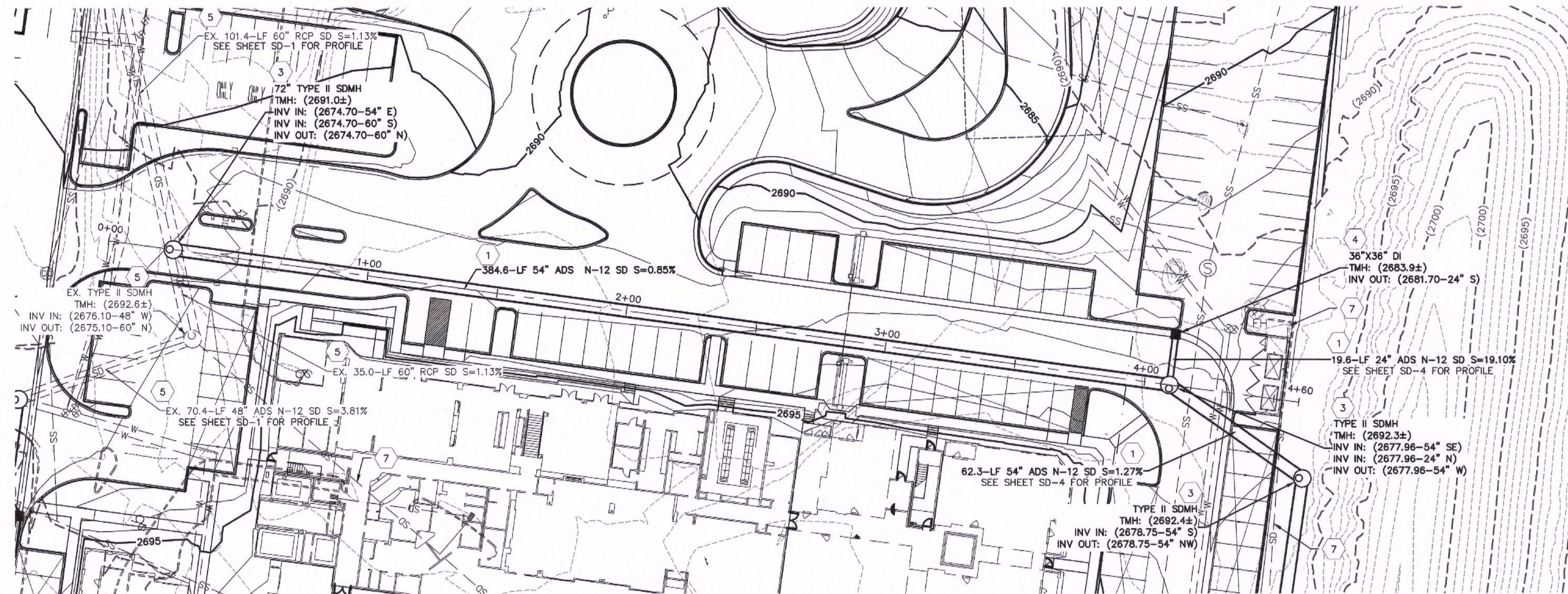
NOT FOR CONSTRUCTION

DATE	AGN	APP	DATE	GCW	APP

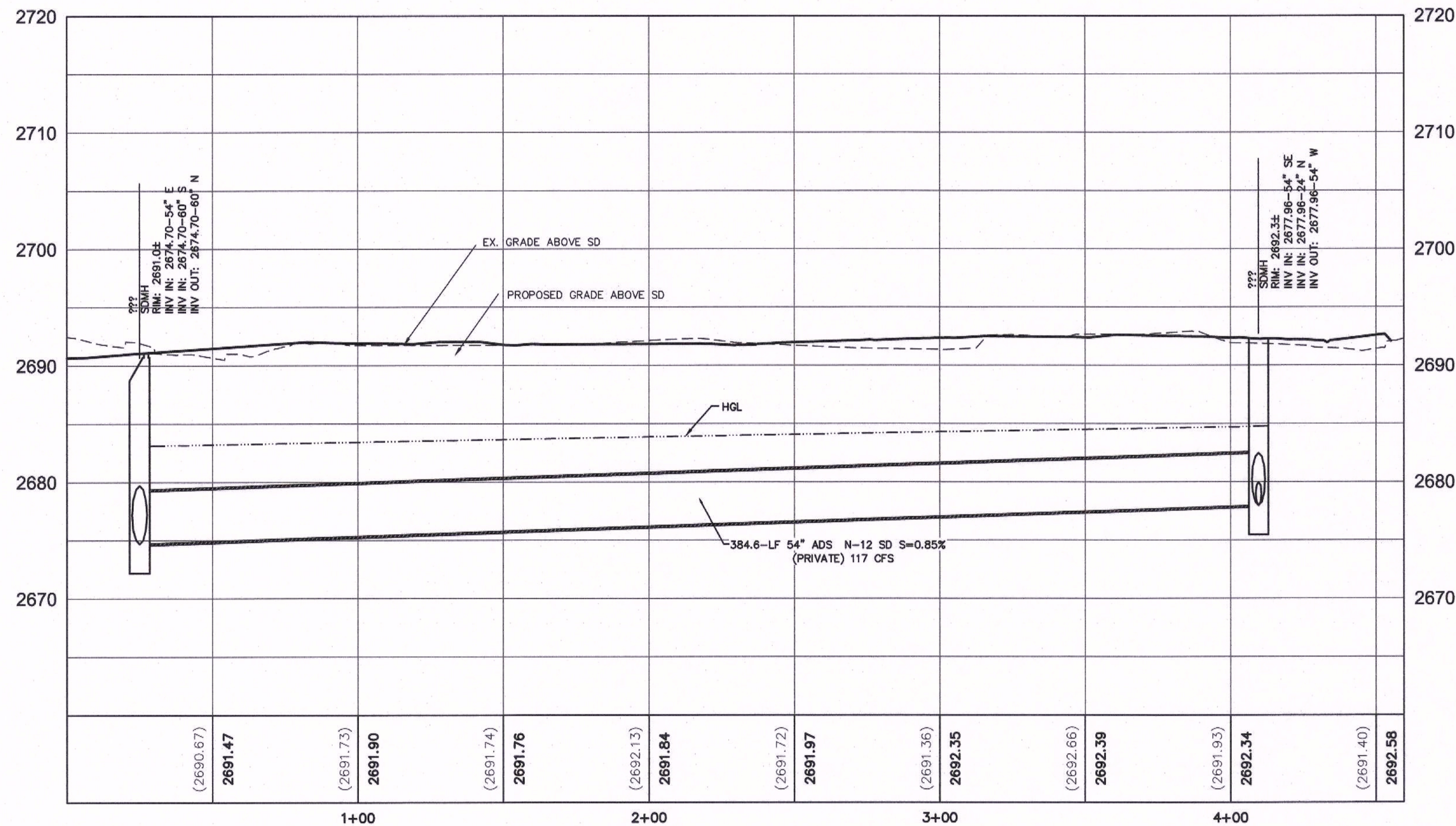
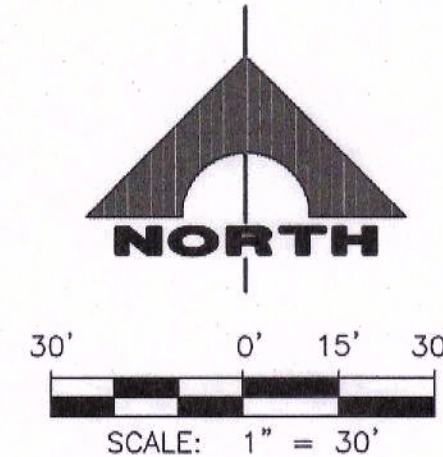
H# -

CLV DWG# -

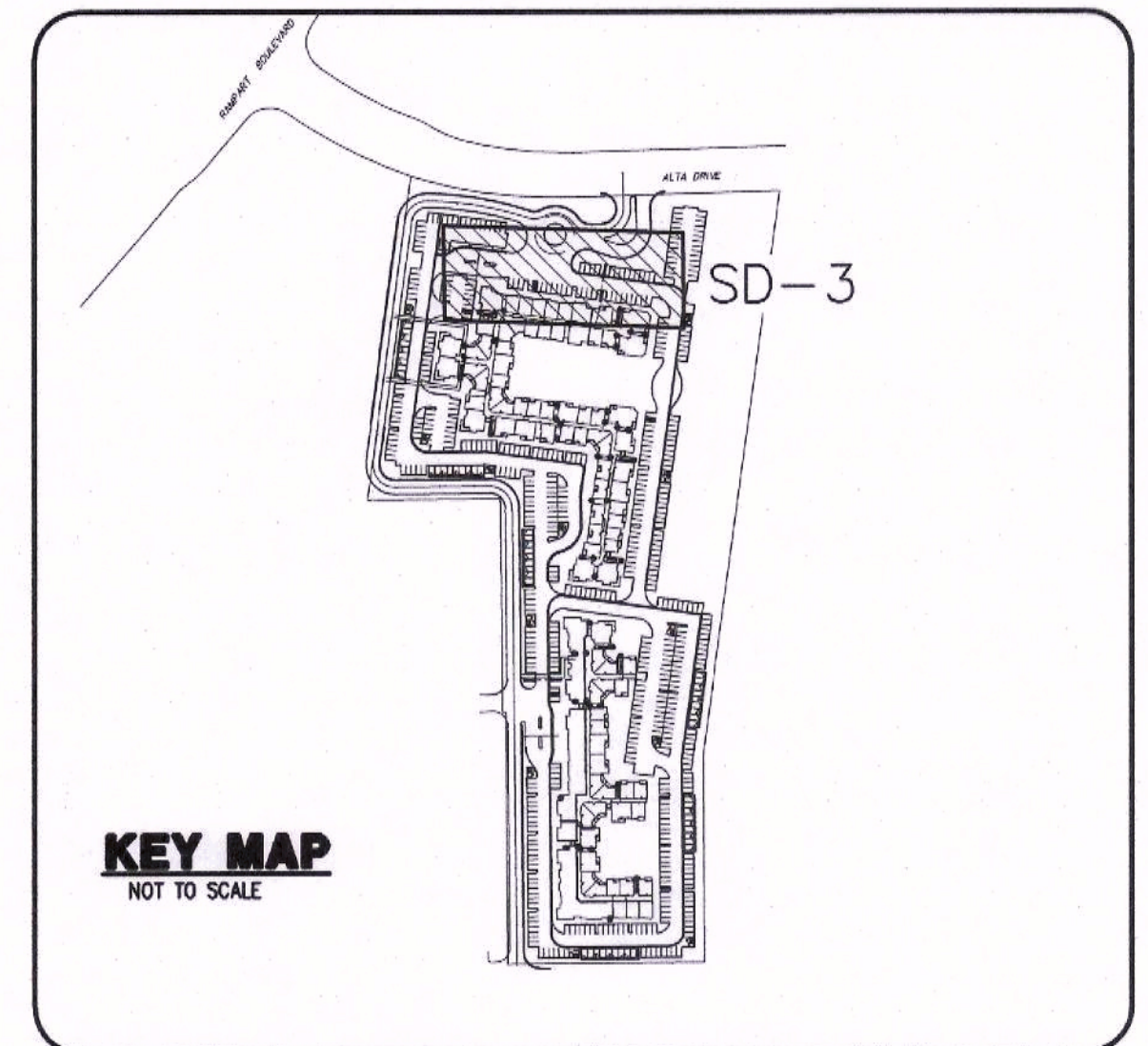




SD-3 PLAN VIEW
SCALE: 1"=30' HORIZONTAL



SD-3 PROFILE
SCALE: 1"=30' HORIZONTAL
1"=3' VERTICAL



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Avoid putting underground utility lines. It's costly.

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OR
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FAST
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1-702-432-6300
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CONSTRUCTION NOTES

STORM DRAIN

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- INSTALL ADS INSERTA TEE, SEE PLAN FOR SIZE.
- CONSTRUCT TYPE II SD MANHOLE PER USDOCA DWG NO. 405.2, SEE PLAN FOR SIZE.
- CONSTRUCT PRECAST SD DROP INLET WITH TRAFFIC FRAME AND GRATE PER DETAIL SHEET D-2, SEE PLAN FOR SIZE. USE EXTENSIONS AS NEEDED.
- RETAIN AND PROTECT EXISTING STORM DRAIN STRUCTURE.
- ADJUST TO NEW FINISH GRADE.

NOTE: SEE SHEET C2, C3 & C4 FOR ABBREVIATIONS AND QUANTITIES

BENCHMARK		
STATION	ELEVATION	DESCRIPTION
Q1000 32C4	S 820.819 (M) E 2692.97 (FT.)	BEING A RIVET & PLATE TOP CURB SE CORNER OF RAMPART AND ALTA.

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007)
BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88)
ADD 2000 TO ALL SPOT ELEVATION TAGS.

BASIS OF BEARINGS
SOUTH 00°32'07" EAST, BEING THE BEARING OF THE CENTERLINE OF RAMPART BOULEVARD AS SHOWN IN FILE 117, PAGE 83 OF PARCEL MAPS ON FILE AT CLARK COUNTY, NEVADA RECORDER'S OFFICE.

H# - CLV DWG# -

ENGINEER
TODD N. KELLEY
PROFESSIONAL
No. 14711
Exp. 6/30/2018

PROJECT NO.
894-002

DESIGN:
DRAWN:
CHECK:
PLOT DATE: 03-22-18
PLOT TIME: 12:03:36

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
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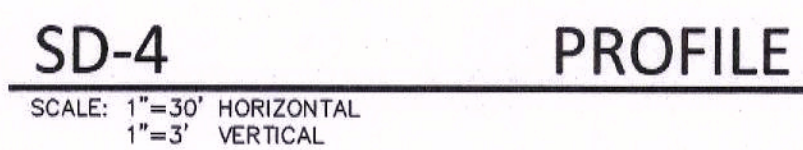
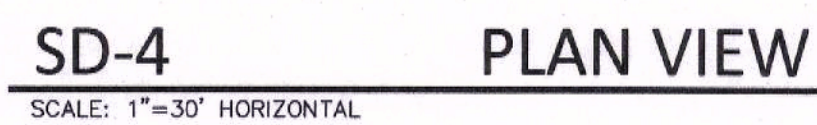
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THE CALIDA GROUP
ELYSIAN AT RENAISSANCE

STORM DRAIN PLAN AND PROFILE 3

DRAWING
SD-3
18 OF 31 SHTS

NOT FOR CONSTRUCTION



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ALL ONSITE STORM DRAINS AND ASSOCIATED STORM FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED.

STORM DRAIN	
1	INSTALL ADS N-12 STORM DRAIN PIPE, SEE PLAN FOR SIZE.
2	INSTALL ADS INSERTA TIE, SEE PLAN FOR SIZE.
3	CONSTRUCT TYPE II SD MANHOLE PER USDOCA DWG NO. 405.2, SEE PLAN FOR SIZE.
4	CONSTRUCT JENSEN PDS SD DROPPED INLET WITH TRAFFIC FRAME AND COVER PER DETAIL SHEET D-2, SEE PLAN FOR SIZE. USE EXTENSIONS AS NEEDED.
5	RETAIN AND PROTECT EXISTING STORM DRAIN STRUCTURE.
6	ADJUST TO NEW FINISH GRADE.
7	ABANDON EXISTING STORM DRAIN STRUCTURE.

NOTE: SEE SHEET C2, C3 & C4 FOR ABBREVIATIONS AND QUANTITIES

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007)
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SOUTH 00°32'07" EAST, BEING THE BEARING OF THE CENTERLINE OF RAMPART BOULEVARD AS SHOWN IN FILE 117, PAGE 83 OF PARCEL MAPS ON FILE AT CLARK COUNTY, NEVADA RECORDER'S OFFICE.

[illegible]

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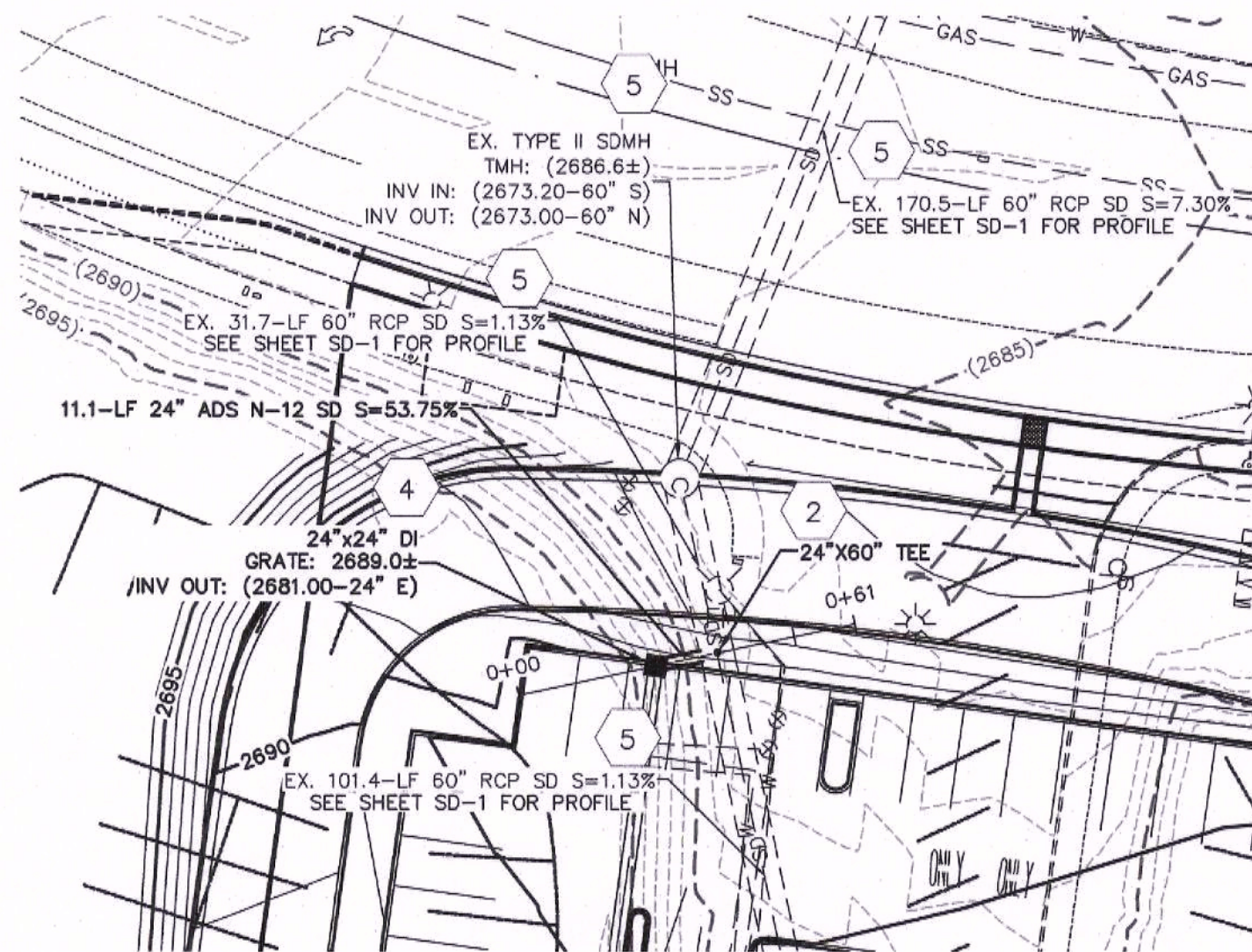
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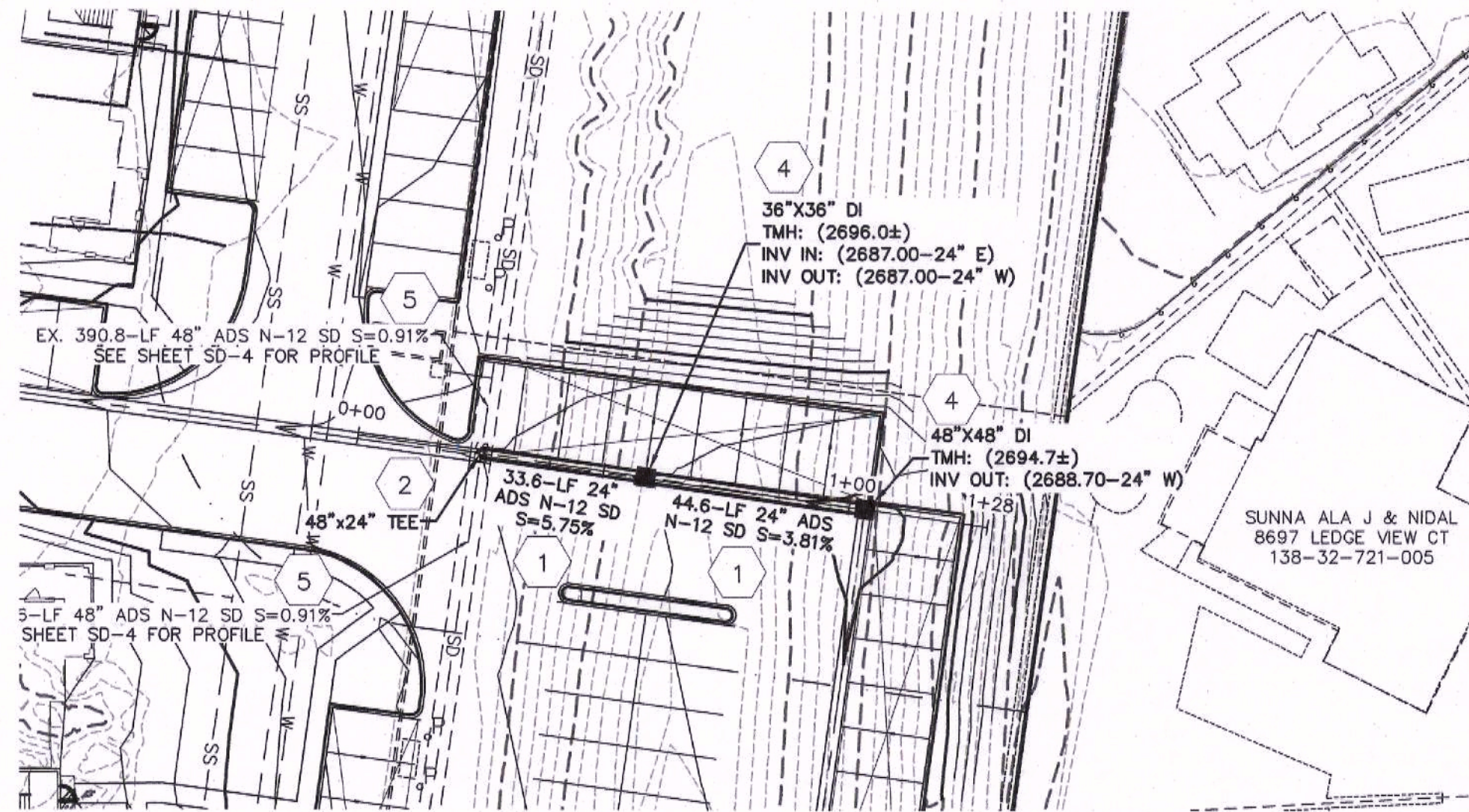
ELYSIAN AT RENAISSANCE

STORM DRAIN PLAN AND PROFILE 4

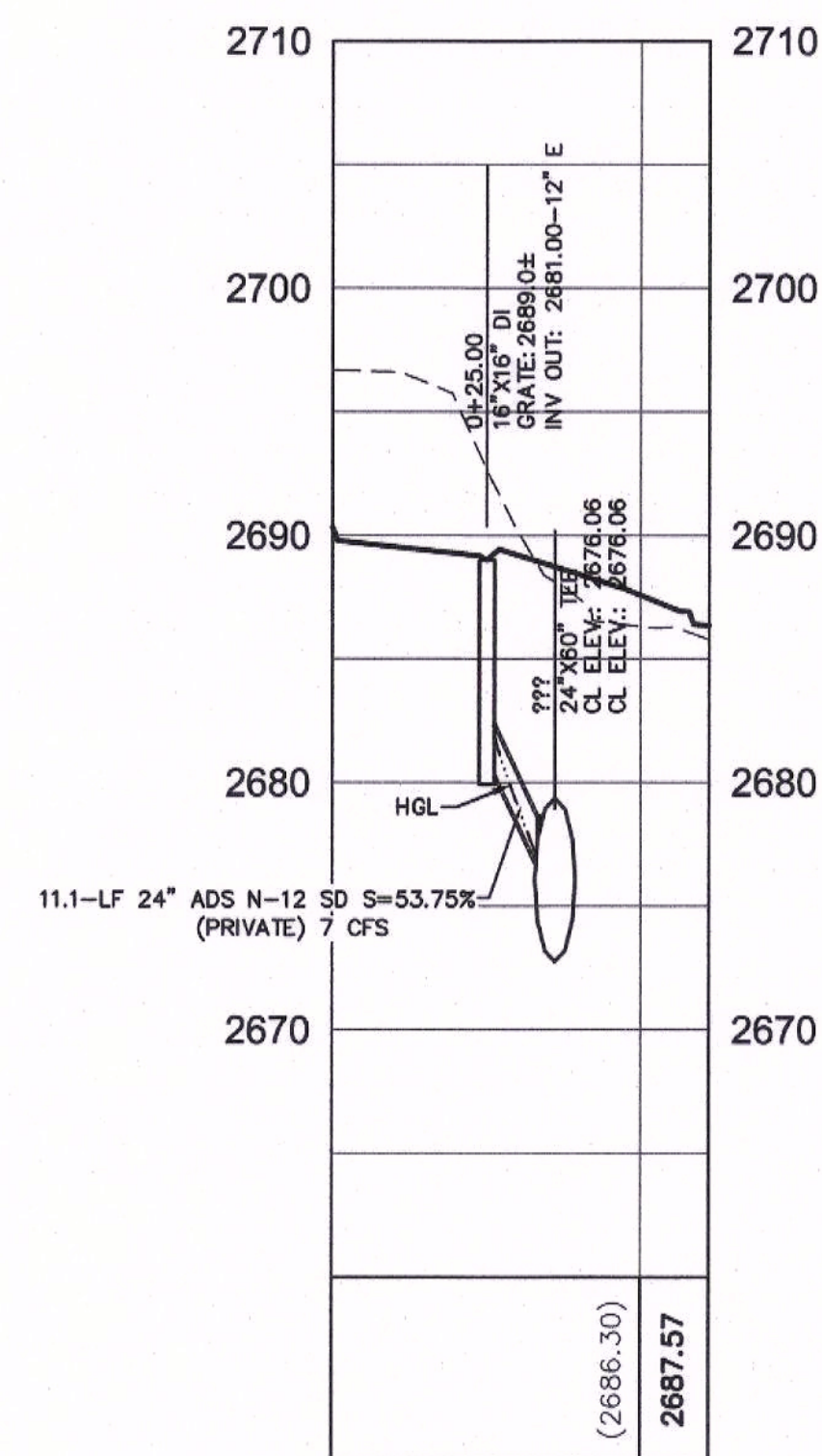
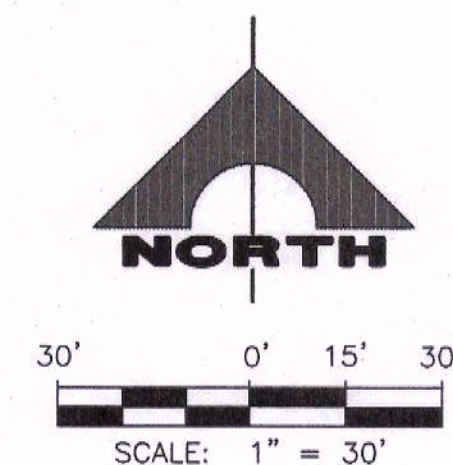
DRAWING
SD-4
19 OF 31 SHTS



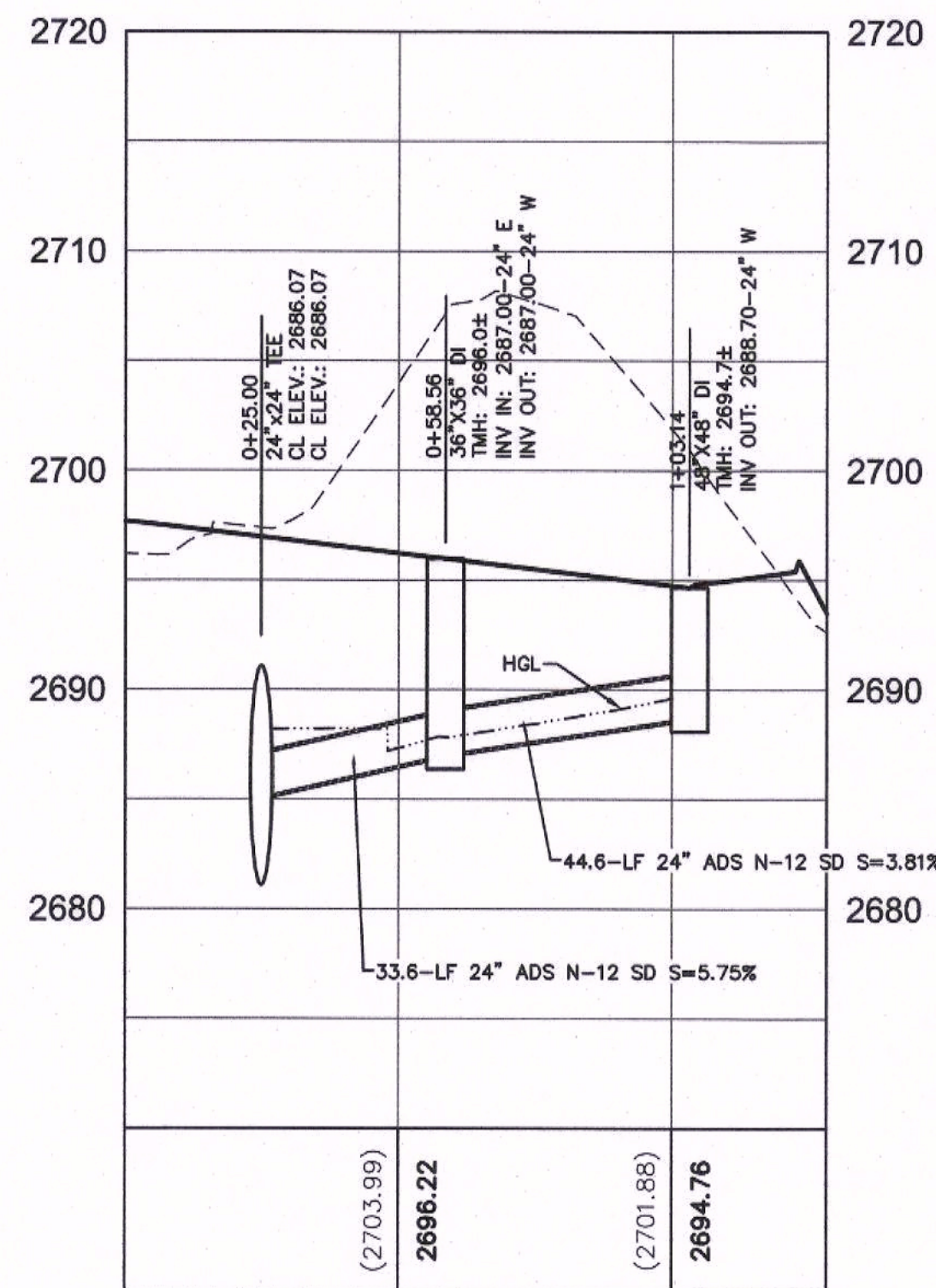
SD-6A **PLAN VIEW**
SCALE: 1"=30' HORIZONTAL



SD-6B **PLAN VIEW**
SCALE: 1"=30' HORIZONTAL



SD-6A **PROFILE**
SCALE: 1"=30' HORIZONTAL
1"=3' VERTICAL



SD-6B **PROFILE**
SCALE: 1"=30' HORIZONTAL
1"=3' VERTICAL

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Avoid cutting underground utility lines. It's costly.

Call 811
OR
1-800-227-2600

FAST
Call before you UnderGround
1-702-432-5300
FREEMAN AND NATIONAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

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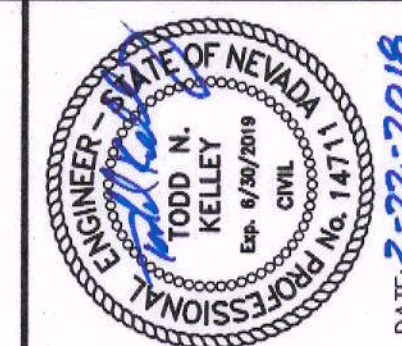
- CONSTRUCTION NOTES**
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1. INSTALL ADS N-12 STORM DRAIN PIPE, SEE PLAN FOR SIZE.
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BENCHMARK		
STATION	ELEVATION	DESCRIPTION
CLV00 32C4	820.819 (M) 2692.97 (FT.)	BEING A RIVET & PLATE TOP CURB SE CORNER OF RAMPART AND ALTA.
CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED 2005-2007) BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAD '88) ADD 2000 TO ALL SPOT ELEVATION TAGS.		

BASIS OF BEARINGS

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H# - CLV DWG# -



PROJECT NO.	DATE	REV	DESCRIPTION
894-002			
DESIGN:			
DRAWN:			
CHECK:			
PLOT DATE: 03-22-18			
PLOT TIME: 10:48:11			

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LAS VEGAS, NV 89146
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F: 702.804.2299
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ENGINEERS & SURVEYORS

F:\Projects\800\894-002\DWG\Production\8942002.dwg
Todd Kelley

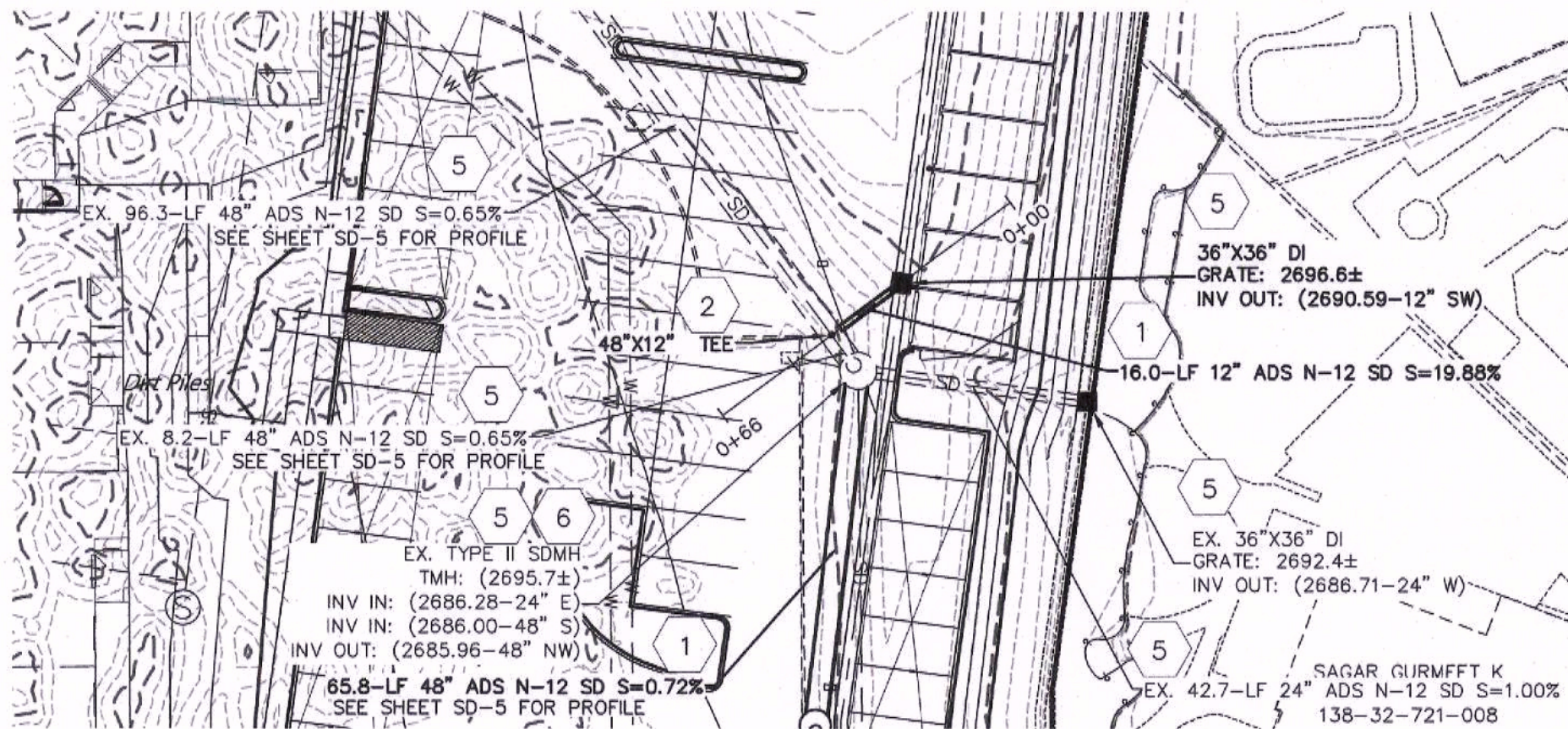
THE CALIDA GROUP

ELYSIAN AT RENAISSANCE

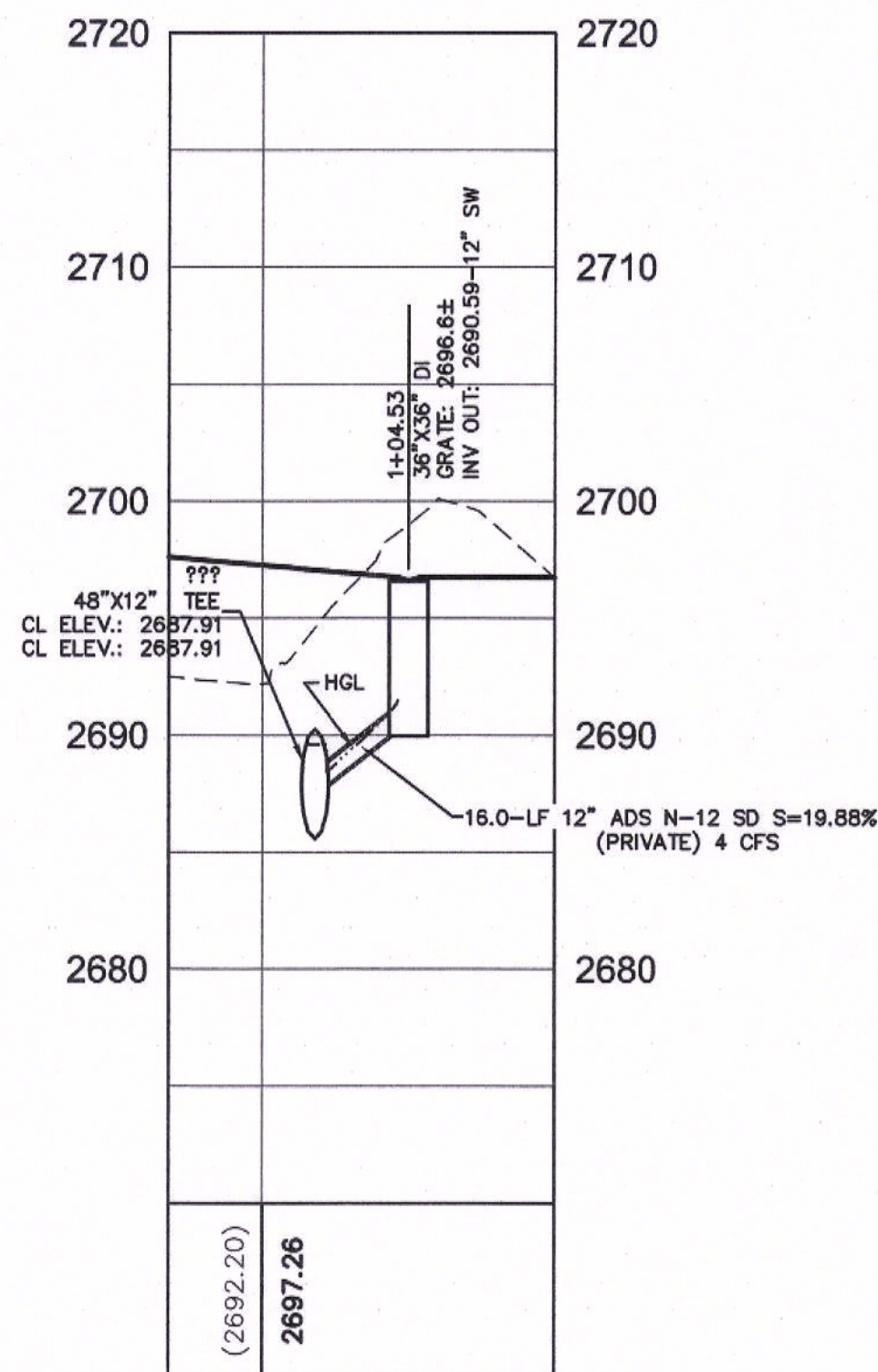
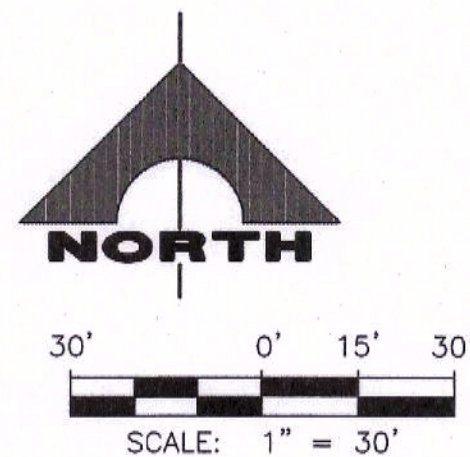
STORM DRAIN PLAN AND PROFILE 6

DRAWING
SD-6
21 OF 31 SHTS

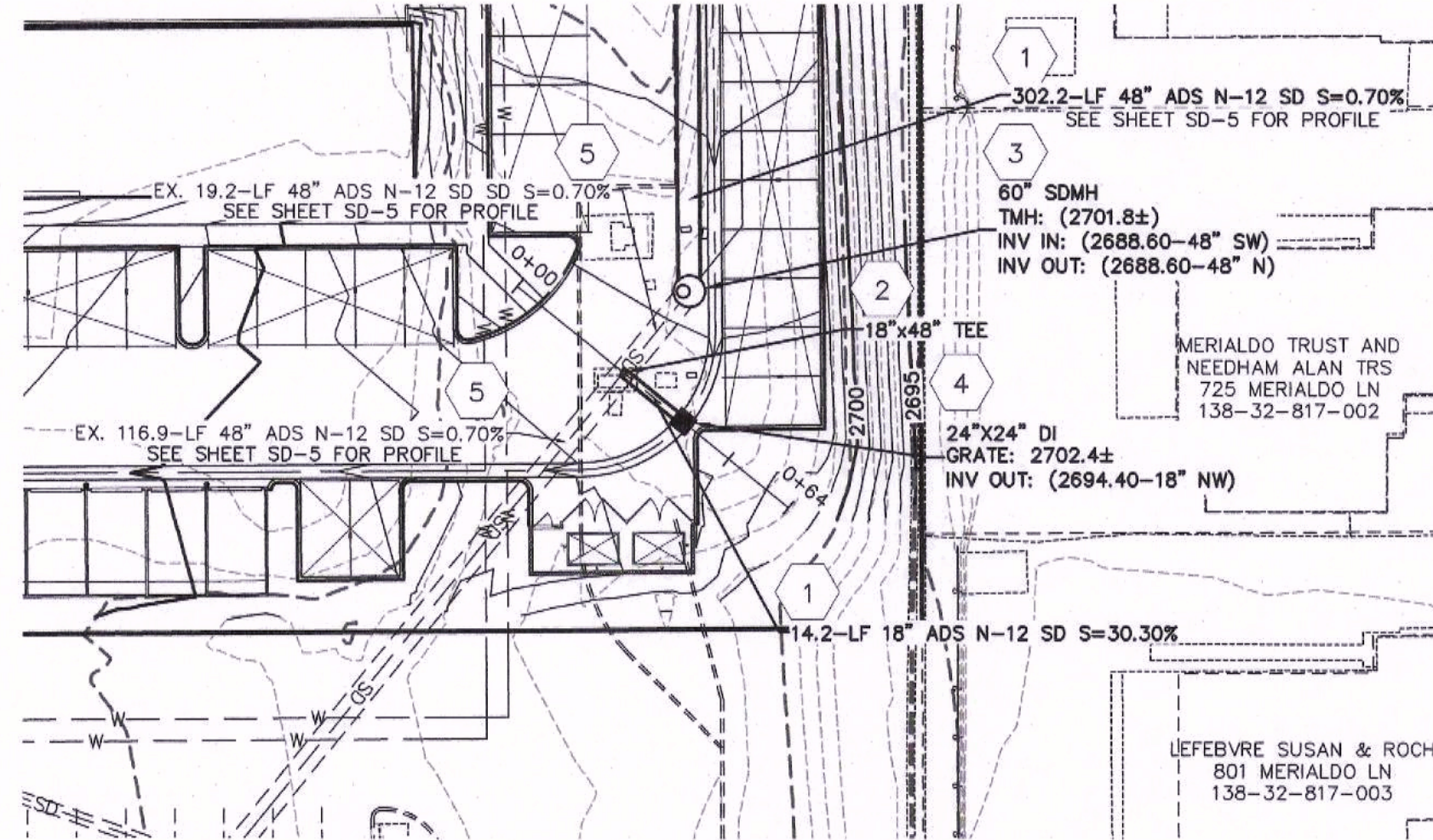
NOT FOR CONSTRUCTION



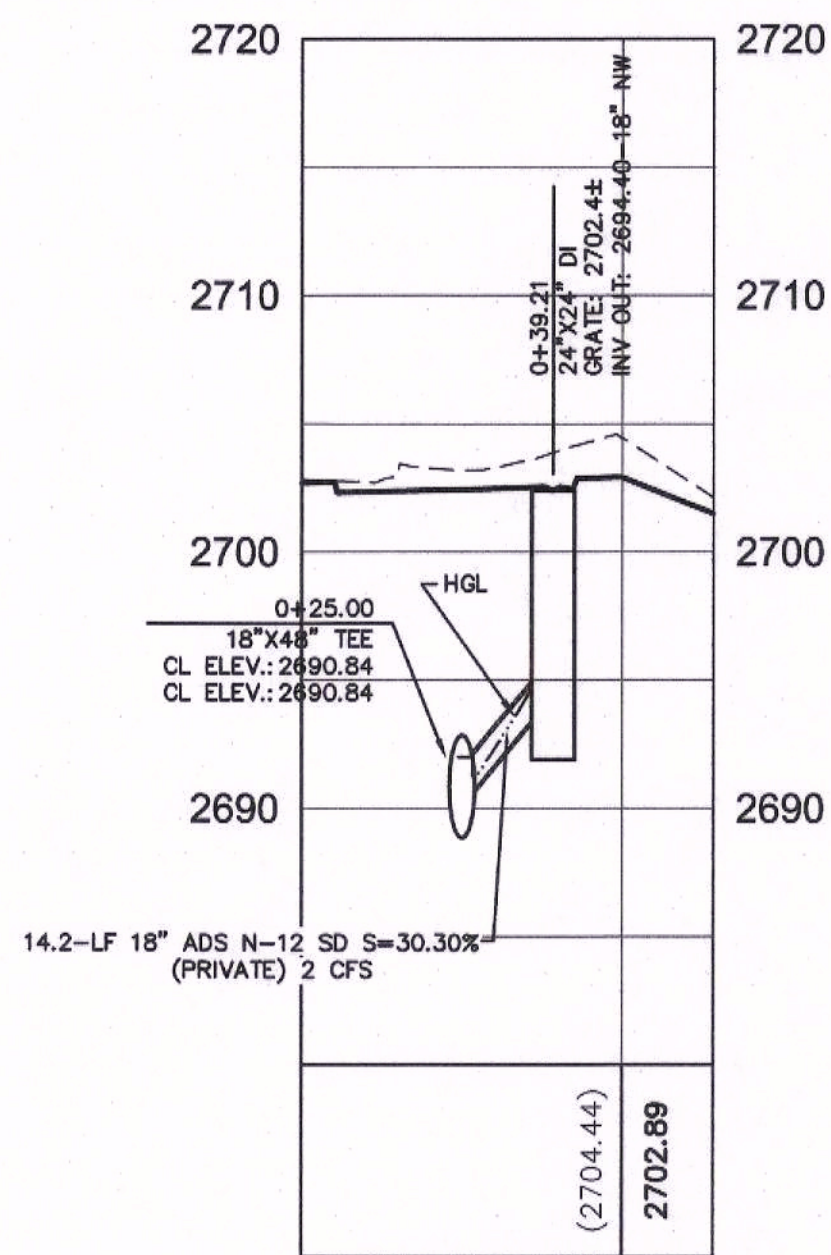
SD-7B PLAN VIEW
SCALE: 1"=30' HORIZONTAL



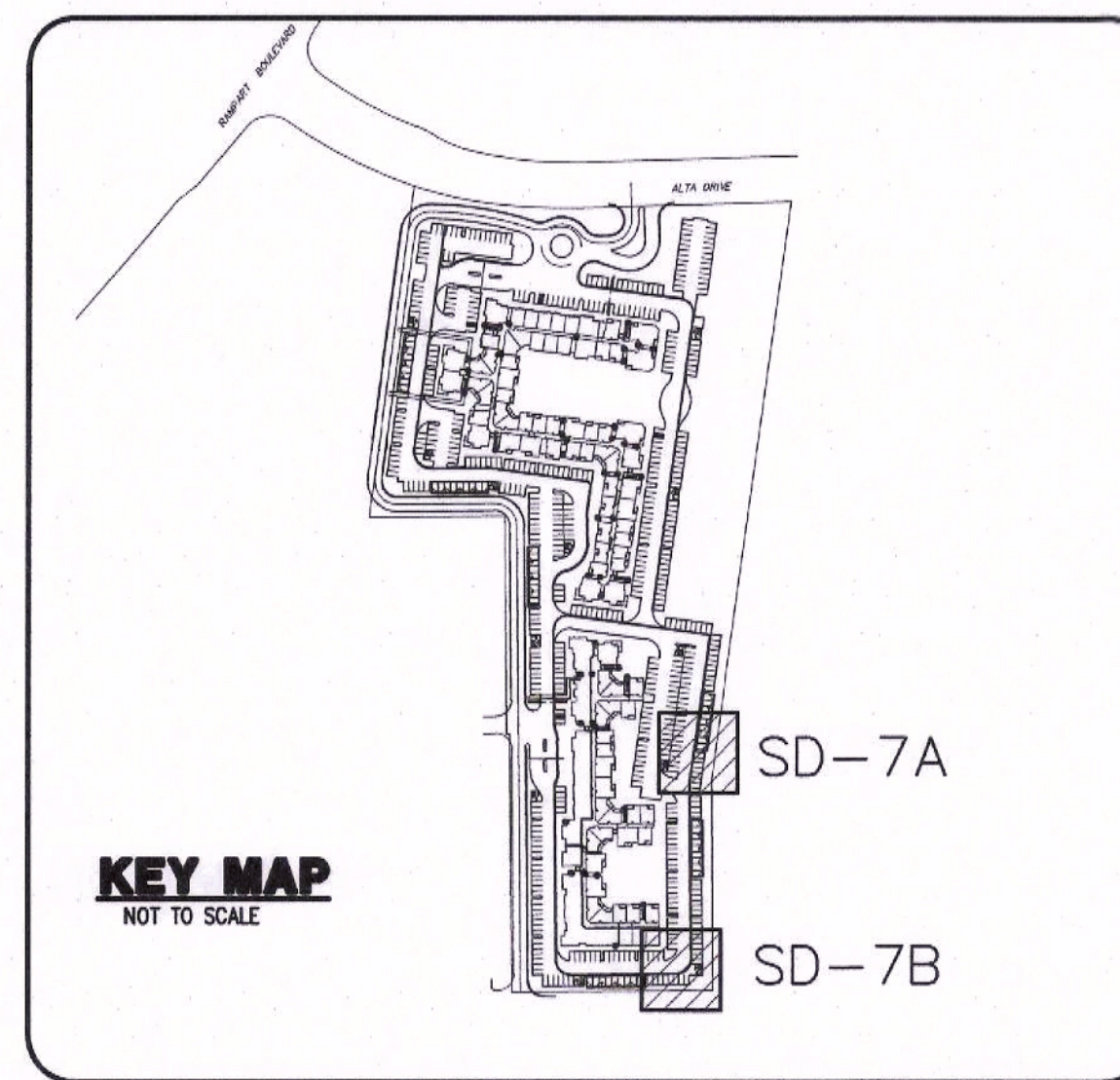
SD-7A PROFILE
SCALE: 1"=30' HORIZONTAL
1"=3' VERTICAL



SD-7C PLAN VIEW
SCALE: 1"=30' HORIZONTAL



SD-7B PROFILE
SCALE: 1"=30' HORIZONTAL
1"=3' VERTICAL



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OR
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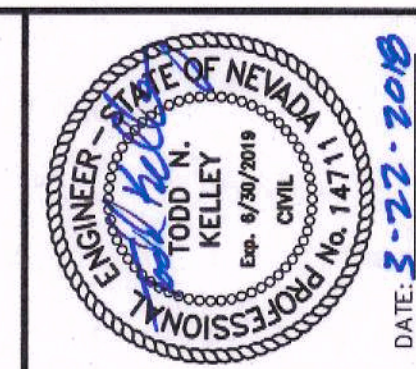
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H# - CLV DWG# -

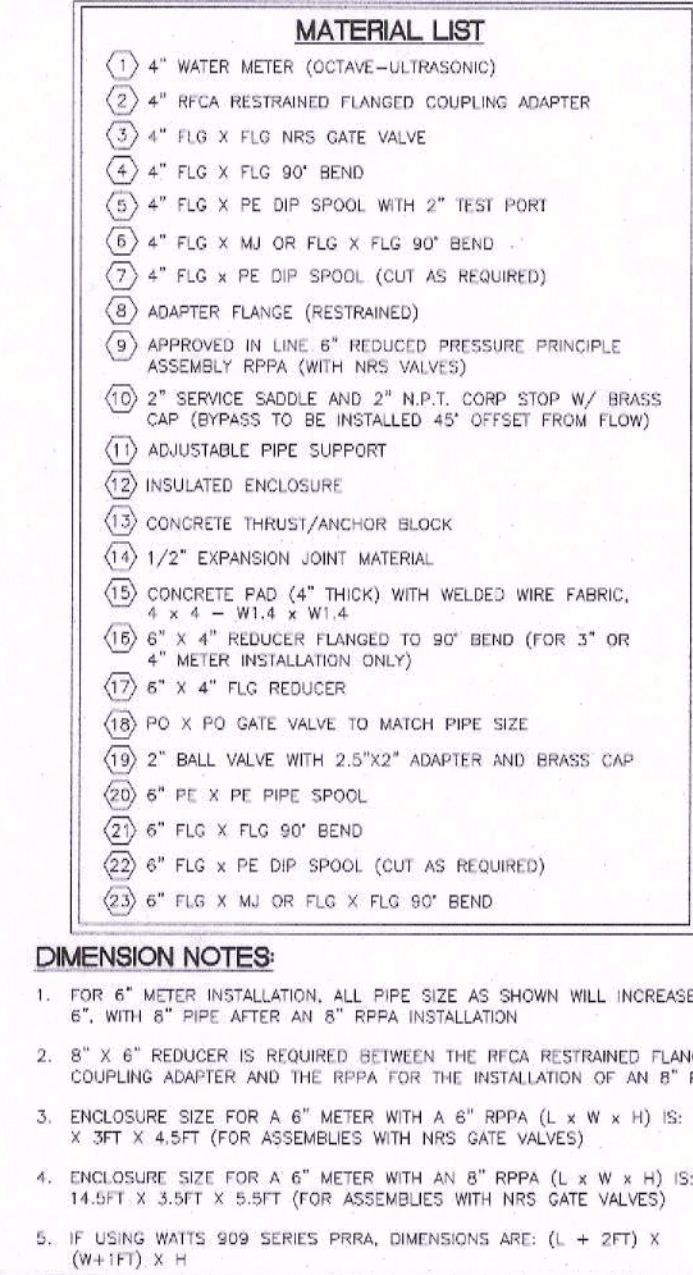


PROJECT NO.	DESIGNER	DRAWN	CHECK	PLOT DATE	PLOT TIME	REV	DATE	DESCRIPTION
894-002				03-22-18	10:50:14			

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gcvengineering.com
F:\Projects\800\894-002\DWG\Production\894-002.dwg
Todd Kelley

THE CALIDA GROUP
ELYSIAN AT RENAISSANCE
STORM DRAIN PLAN AND PROFILE 7
DRAWING
SD-7
22 OF 31 SHTS

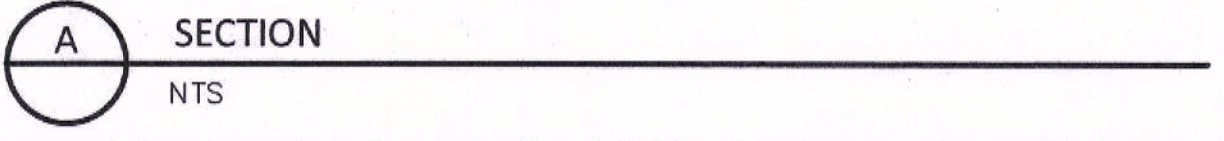
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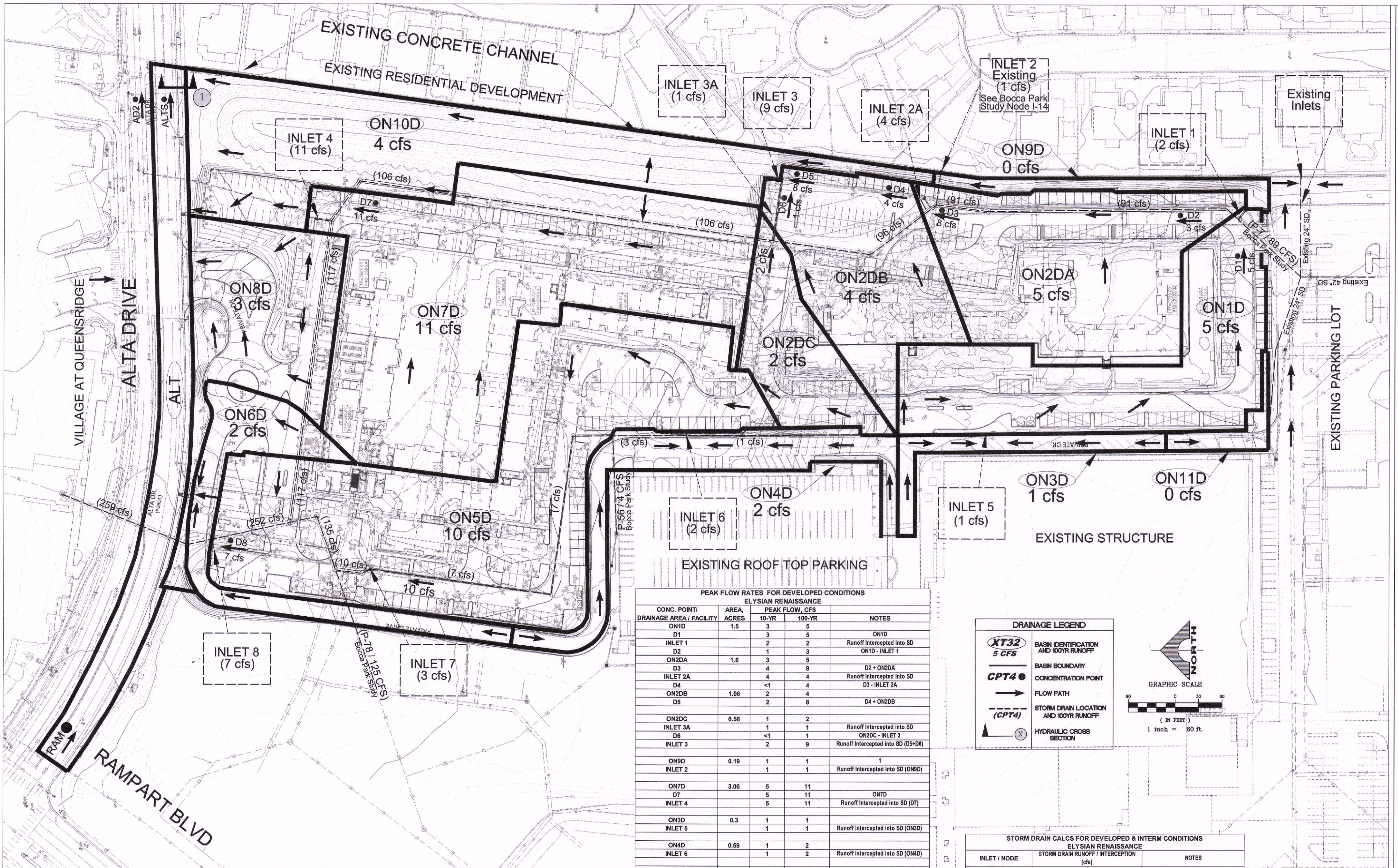


PROJECT NO.	894-002
DESIGN:	
DRAWN:	
CHECK:	
PLOT DATE:	03-22-18
PLOT TIME:	09:40:44

THE CALIDA GROUP	DRAWING DT-1 30 OF 31 SHTS
ELYSIAN AT RENAISSANCE	
SECTIONS AND DETAILS I	

THE CALIDA GROUP
Elysian at Renaissance
SECTIONS AND DETAILS I



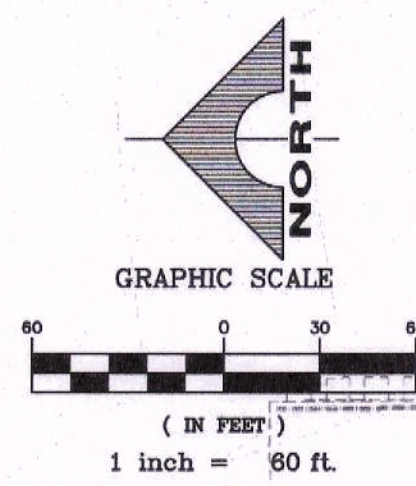


STREET CAPACITY CALCULATIONS DEVELOPED CONDITIONS - ELYSIAN RENAISSANCE					
HYDRAULIC SECTION	SLOPE, %	Q ₁₀ / Q ₁₀₀	D ₁₀ / D ₁₀₀	V ₁₀ / V ₁₀₀	V ₁₀ * D ₁₀ / V ₁₀₀ * D ₁₀₀
Section 1 - Alta Drive South Half	2	8 / 37	0.46 / 0.71	3.99 / 5.36	1.83 / 3.81

FINISHED FLOOR ELEVATION CRITERIA CHECK TABLE ELYSIAN RENAISSANCE				
BUILDING	CROSS SECTION	WSE (FT)	BUILDING FF (FT)	CRITERIA MET
SOUTH	A - Weir	2695.66	2703.00	YES
NORTH	B - Weir	2692.27	2696.07	YES

PEAK FLOW RATES FOR DEVELOPED CONDITIONS ELYSIAN RENAISSANCE				
CONC. POINT / DRAINAGE AREA / FACILITY	AREA, ACRES	PEAK FLOW, CFS		NOTES
		10-YR	100-YR	
ON1D	1.5	3	5	ON1D
D1		3	5	Runoff intercepted into SD
INLET 1	1	1	3	ON1D - INLET 1
D2	1.6	3	5	
ON2DA		4	8	D2 + ON2DA
D3		4	4	Runoff intercepted into SD
INLET 2A		<1	4	D3 - INLET 2A
D4	1.06	2	4	
ON2DB		2	8	D4 + ON2DB
D5		2	8	
ON2DC	0.58	1	2	
INLET 3A		1	1	Runoff intercepted into SD
D6		<1	1	ON2DC - INLET 3
INLET 3		2	9	Runoff intercepted into SD (D5+D6)
ON9D	0.19	1	1	1
INLET 2		1	1	Runoff intercepted into SD (ON9D)
ON7D	3.06	5	11	
D7		5	11	ON7D
INLET 4		5	11	Runoff intercepted into SD (D7)
ON3D	0.3	1	1	
INLET 5		1	1	Runoff intercepted into SD (ON3D)
ON4D	0.59	1	2	
INLET 6		1	2	Runoff intercepted into SD (ON4D)
ON5D	3.13	5	10	
INLET 7		3	3	Runoff intercepted into SD
D8		2	7	ON5D - INLET 7
INLET 8		2	7	Runoff intercepted into SD (D8)
RAM		1	24	2
ON6D	0.64	1	2	
ON8D	1.03	2	4	
ON10D	2	2	4	
ALT	0.94	2	3	
ALTS		8	37	3
ON11D	0.11	<1	<1	
AD2		9	15	4

DRAINAGE LEGEND	
XT32 5 CFS	BASIN IDENTIFICATION AND 100YR RUNOFF
CPT4	BASIN BOUNDARY
(CPT4)	CONCENTRATION POINT
	FLOW PATH
	STORM DRAIN LOCATION AND 100YR RUNOFF
	HYDRAULIC CROSS SECTION



STORM DRAIN CALCS FOR DEVELOPED & INTERM CONDITIONS ELYSIAN RENAISSANCE		
INLET / NODE	STORM DRAIN RUNOFF / INTERCEPTION (cfs)	NOTES
INLET 5	1	
INLET 6	2	
P-56	4	See Bocca Park Study
INLET 7	3	
TOTAL	10	MAIN LINE 3
P-7	89	See Bocca Park Study
INLET 1	2	
INLET 2	1	
INLET 2A	4	See Node I-14 Bocca Park Study
INLET 3	9	
INLET 3A	1	
INLET 4	11	
TOTAL	117	MAIN LINE 2
P-78	125	
Main Line 2	117	
Main Line 3	10	
INLET 8	7	
TOTAL	259	MAIN LINE 1

- HEC-1 results yield runoff less than 1 cfs. Use results from Bocca Park study at Node I-14 to be conservative.
- Referenced from Peccole Town Center study. Runoff generated from eastern half of Rampart Boulevard expected to flow down the south half of Alta Drive.
- RAM = ON6D + ON8D + ON10D + ALT
- Referenced from Village at Queensridge study.

FIGURE 5

DEVELOPED CONDITIONS DRAINAGE MAP
ELYSIAN RENAISSANCE

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