LEGEND

- TYPICAL PROPOSED LINEWORK
- TYPICAL EXISTING LINEWORK
- TYPICAL FUTURE LINEWORK
- EASEMENT LINE
- EXISTING EDGE OF PAVEMENT
- LOTLINE
- CENTERLINE
- PROPERTY/BOUNDRY LINE
- RIGHT-OF-WAY LINE
- TYPICAL SEWER LINE W/MH
- TYPICAL WATER LINE W/GV
- TYPICAL STORM LINE W/MH
- EX. GAS LINE (PE GAS)
- EX. ELECTRICAL (ELEC)
- EX. OVERHEAD POWER LINES (OPL)
- SIDEWALK HATCH
- DEDICATION/SVZ HATCH
- VACATION HATCH
- RETAINING WALL
- SAWCUT
- SCARPLINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- SWALE FLOWLINE
- CHAIN LINK FENCE

ABBREVIATIONS

AC	ASPHALT CONCRETE, ACRE
ADD'L	ADDITIONAL
APN	ASSESSOR'S PARCEL NUMBER
AVE	AVENUE
BC	BACK OF CURB
BLVD	BOULEVARD
BM	BENCHMARK
BW	BACK OF SIDEWALK
C, CL	CENTERLINE
C&G	CURB & GUTTER
CE	COMMON ELEMENT
CLR	CLEAR or CLEARANCE
DE	DRAINAGE EASEMENT
DTL	DETAIL
DRV, DW	DRIVEWAY
EG	EXISTING GROUND
ESMT	EASEMENT
FF, FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FT	FOOT/FEET
FUT	FUTURE
LF	LINEAR FEET
LIP	LIP OF GUTTER
LS, LSCP	LANDSCAPE
MAX	MAXIMUM
MIN	MINIMUM
N.A.P.	NOT-A-PART
PAE	PEDESTRIAN ACCESS EASEMENT
PDE	PUBLIC DRAINAGE EASEMENT
PE	PROJECT ENGINEER or POLYETHYLENE
PL, P/L	PROPERTY LINE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
R/W, ROW	RIGHT OF WAY
S	SEWER, SOUTH
SDWK, SW	SIDEWALK
SD	STORM DRAIN
SF	SQUARE FOOT/FEET
ST	STREET
STD	STANDARD
SVZ	SIGHT VISIBILITY ZONE
TYP	TYPICAL
VAR	VARIABLE/VARIES
VG	VALLEY GUTTER
W	WATER or WEST
Z	PRESSURE ZONE

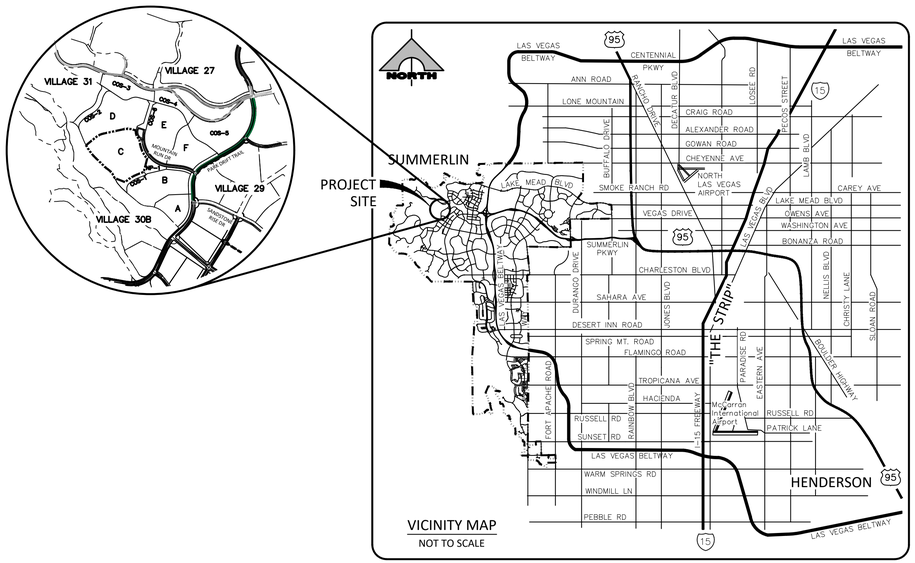
SHEET INDEX		
NO.	DWG	DESCRIPTION
1	C1	COVER SHEET
2	MG1	MASS GRADING PLAN 1
3	MG1A	INTERIM MASS GRADING PLAN 1A
4	MG2	MASS GRADING PLAN 2
5	MG2A	INTERIM MASS GRADING PLAN 2A
6	MG3	MASS GRADING PLAN 3
7	MG4	MASS GRADING PLAN 4
8	D1	SECTIONS & DETAILS 1
9	D1A	INTERIM SECTIONS & DETAILS 1A
10	P1	STORM DRAIN LATERAL 1
11	P2	INTERIM STORM DRAIN LATERAL 2

SUMMERLIN

SM

VILLAGE 30A PARCEL C
MASS GRADING

A.P.N. 137-21-711-002



VICINITY MAP
NOT TO SCALE

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED LAS VEGAS, IN THE COUNTY OF CLARK, STATE OF NEVADA, AND IS DESCRIBED AS FOLLOWS:

ASSESSORS PARCEL NUMBER 137-21-711-002.

PARCEL 1:
LOT C OF FINAL MAP OF SUMMERLIN VILLAGE 30A, COMMON INTEREST COMMUNITY, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 173 OF PLATS, PAGE 64, IN THE OFFICE OF THE COUNTY RECORDER OF CLARK COUNTY, NEVADA.

PARCEL 2:
A PRIVATE ACCESS EASEMENT OVER COMMON ELEEMENT LOT E (C.E. E) AS SHOWN AND DESCRIBED ON PLAT MAP ON FILE IN BOOK 173 OF PLATS, PAGE 64, IN THE OFFICE OF THE COUNTY RECORDER OF CLARK COUNTY, NEVADA.

CONTAINS 36.92 ACRES.

BASIS OF BEARING:

SOUTH 02°32'05" EAST, BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 21, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN BOOK 173, PAGE 64 OF PLATS ON FILE AT THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

BENCH MARK:

CITY OF LAS VEGAS VERTICAL CONTROL POINT "D368", USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN

ELEVATION: 3246.63 (FEET)
989.57 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED: 2008)
BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88)

GROSS ACREAGE: 36.92

EARTHWORKS

RAW CUT = 165,696.35 C.Y.
RAW FILL = 207,890.53 C.Y.
NET FILL = 42,194.18 C.Y.

SOILS REPORT

ANGLE ENGINEERING
5995 SOUTH EDMOND STREET
LAS VEGAS, NEVADA 89118
(702) 382-6453

PROJECT No.: 77151-1
MARCH 3, 2025

PROJECT ADDENDUM:

APPROVALS

CITY OF LAS VEGAS ENGINEERING DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. _____ FIRST APPROVAL DATE: _____

SHEETS: C1, MG2, MG2A MG3, P1 & P2

SUMMERLIN DESIGN REVIEW COMMITTEE DATE

L___-_____ CLV DWG # _____

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811 or 1-800-642-2444

FAST
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

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1-702-227-2929

ENGINEER
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
C: HAO NGUYEN
T: (702) 804-2087
@: hnguyen@gcwengineering.com

OWNER
THE HOWARD HUGHES COMPANY, LLC
1700 S PAVILION CENTER DR, STE #250
LAS VEGAS, NEVADA 89135
C: BRIAN P. WALSH T: (702) 791-4300
@: brian.walsh@howardhughes.com

DEVELOPER
PN II, INC.
7255 S. TENAYA WAY, STE #200
LAS VEGAS, NEVADA 89113
C: KENDRA SAFFLE T: (702) 914-4800
@: kendra.saffle@pultegroup.com

STATE OF NEVADA — PROFESSIONAL ENGINEER — No. 19996 — HAO A. NGUYEN — Exp. 12/31/2025 — CIVIL — DATE: 07/14/2025

REV	DESCRIPTION	DATE	AGEN APP	DATE	GCW APP	DATE

PROJECT NO. 764-A295-001
DESIGN: QN
DRAWN: QN
CHECK: HN
PLOT DATE: 07-14-25
PLOT TIME: 11:11:26

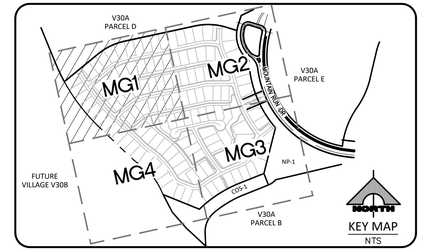
GCW ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com
F:\PROJECTS\V20\764-A295-001\DWG\PRODUCTION\MASS GRADING\A295MGC-C.DWG
QUANGVINH NGUYEN

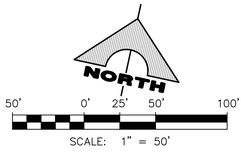
PN II, INC

SUMMERLIN VILLAGE 30A PARCEL C MASS GRADING

COVER SHEET

DRAWING
C1
1 OF 11 SHTS





CONSTRUCTION NOTES

GRADING

1. CONSTRUCT 1' HEIGHT BERM PER DETAIL L ON SHEET D1.
2. CONSTRUCT SEDIMENT TRAP PER DETAIL K ON SHEET D1.
3. CONSTRUCT 15' BOTTOM WIDTH TRAPEZOIDAL CHANNEL PER DETAIL H ON SHEET D1.
4. REMOVE EXISTING RIPRAP.
5. CONSTRUCT RIP-RAP, D50=6", T=12".

STORM DRAIN

1. REMOVE EXISTING DROP INLET & CONNECT TO EXISTING 36" RCP SD PER DETAIL 1 ON SHEET D1.

LAS VEGAS VALLEY CONSTRUCTION STORMWATER RUNOFF MANAGEMENT - STANDARD NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF THE CITY OF LAS VEGAS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE LVMC 14.18.130 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
6. POST-CONSTRUCTION BMPs (PCBMPs) / CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORMWATER POLLUTION CONTROLS. THESE PCBMPs MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

SOILS REPORT

ANGLE ENGINEERING
5995 SOUTH EDMOND STREET
LAS VEGAS, NEVADA 89118
(702) 382-6453

PROJECT No.: 77151-1
MARCH 3, 2025

PROJECT ADDENDUM:

BASIS OF BEARING:

SOUTH 02°32'05" EAST, BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 21, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN BOOK 173, PAGE 64 OF PLATS ON FILE AT THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

BENCH MARK:

CITY OF LAS VEGAS VERTICAL CONTROL POINT "D368", USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN

ELEVATION: 3246.63 (FEET)
989.57 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED: 2008)
BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88)

FLOOD ZONE NOTE

THIS PROJECT SITE LIES WITHIN A FEMA DESIGNATED ZONE "X" PER FIRM PANEL 32003C2125E DATED SEPTEMBER 27, 2002. AREAS DESIGNATED AS ZONE X ARE DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

DRAINAGE CERTIFICATION

I CERTIFY THAT THE GRADING PLANS ARE IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY DS-5863A ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

07/14/2025

HAO A NGUYEN, P.E. 19396 — DATE

L___-_____ CLV DWG # _____

QUANTITIES

RIPRAP D50=6"	CY	0.92
36" RCP SD	LF	64

EARTHWORKS

RAW CUT = 165,151.75 C.Y.
RAW FILL = 260,780.26 C.Y.
NET FILL = 41,628.51 C.Y.

GRADING PLAN NOTE

POST CONSTRUCTION BMPS (PCBMPS) / CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORM WATER POLLUTION CONTROLS. THESE PCBMPS MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

CAUTION TO CONTRACTOR

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HERON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND POTHOLE EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

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STATE OF NEVADA — PROFESSIONAL ENGINEER — HAO A. NGUYEN — No. 19396 — Exp. 12/31/2025 — CIVIL

REV	DESCRIPTION	DATE	AGEN APP	DATE	GCW APP	DATE
						07/14/2025

PROJECT NO. 764-A295-001
DESIGN: QN
DRAWN: QN
CHECK: HN
PLOT DATE: 07-14-25
PLOT TIME: 11:11:33

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

F:\PROJECTS\700\764-A295-001\PW\PRODUCTION\MASS GRADING\V295CMG-G.DWG QUINGYAN NGUYEN

PN II, INC

SUMMERLIN VILLAGE 30A PARCEL C MASS GRADING

MASS GRADING PLAN 1

DRAWING
MG1
2 OF 11 SHTS

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NET FILL = 41,628.51 C.Y.

QUANTITIES

RIPRAP D50=6"	CY	1.84
36" RCP SD	LF	184

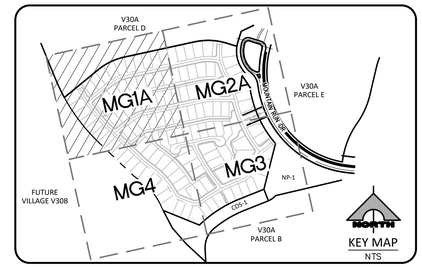
VILLAGE 30A
PARCEL D
APN 137-21-210-002
HOWARD HUGHES
COMPANY LLC

VILLAGE 30B
APN 137-21-101-011
HOWARD HUGHES
COMPANY LLC

PROPERTY LINE

MATCH LINE SEE SHEET MG2A

MATCH LINE SEE SHEET MG4



NORTH

50' 0' 25' 50' 100'

SCALE: 1" = 50'

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LAS VEGAS VALLEY CONSTRUCTION STORMWATER RUNOFF MANAGEMENT - STANDARD NOTES

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LAS VEGAS, NEVADA 89118
(702) 382-6453

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MARCH 3, 2025

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07/14/2025
HAO A NGUYEN, P.E. 19396 — DATE

L___-_____ CLV DWG # _____

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

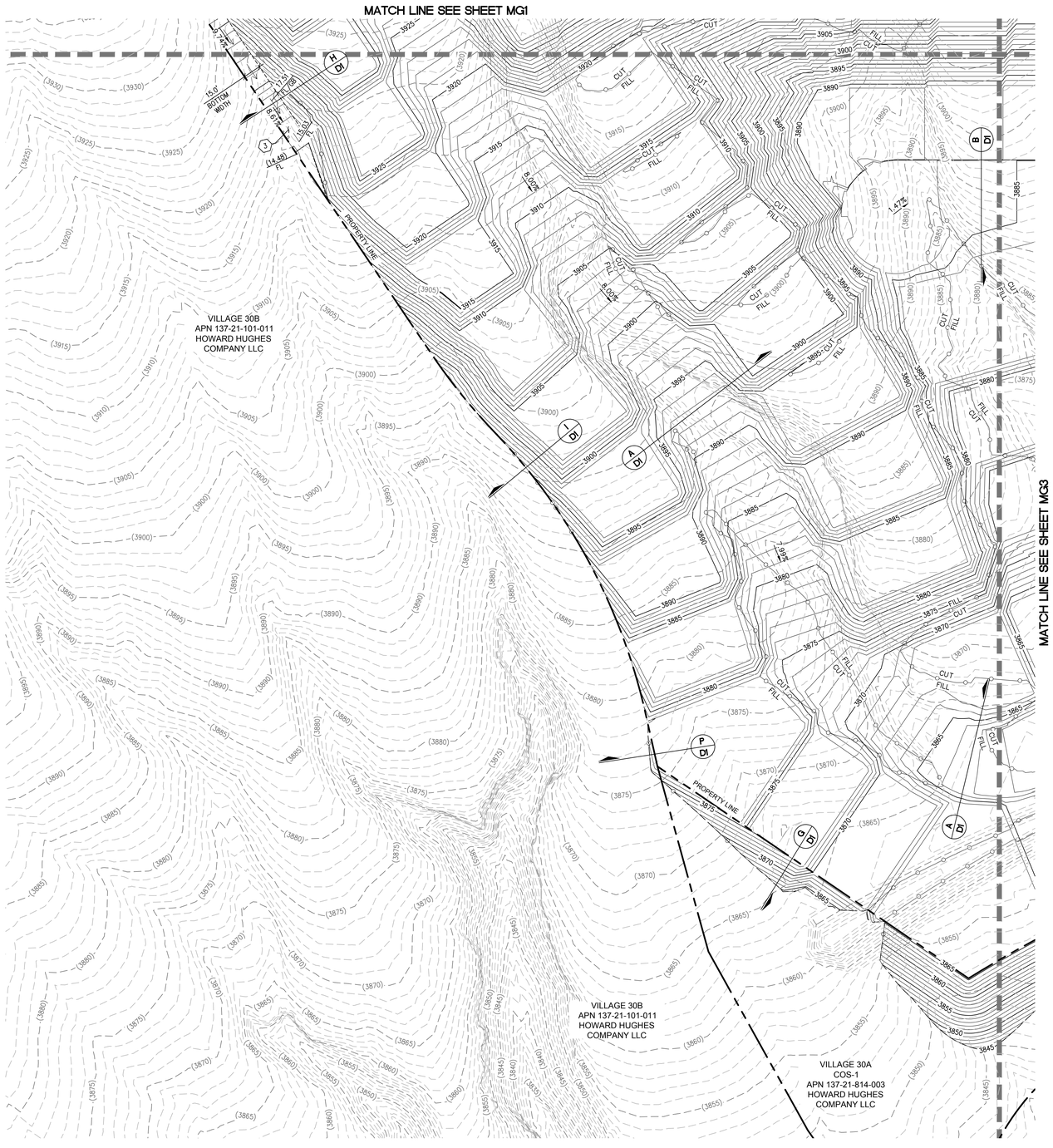
F:\PROJECTS\V30\764-A295-001\DWG\PRODUCTION\MASS GRADING\A295MG-G (INIT).DWG QUANGVINH NGUYEN

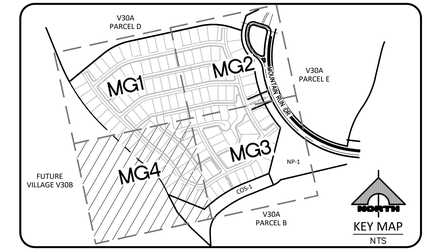
PN II, INC

SUMMERLIN VILLAGE 30A PARCEL C MASS GRADING

INTERIM MASS GRADING PLAN 1A

DRAWING
MG1A
3 OF 11 SHTS





NORTH

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1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF THE CITY OF LAS VEGAS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE LVMC 14.18.130 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
6. POST-CONSTRUCTION BMPs (PCBMPs) / CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORMWATER POLLUTION CONTROLS. THESE PCBMPs MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

SOILS REPORT

ANGLE ENGINEERING
5995 SOUTH EDMOND STREET
LAS VEGAS, NEVADA 89118
(702) 382-6453

PROJECT No.: 77151-1
MARCH 3, 2025

PROJECT ADDENDUM:

BASIS OF BEARING:

SOUTH 02°32'05" EAST, BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 21, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN BOOK 173, PAGE 64 OF PLATS ON FILE AT THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

BENCH MARK:

CITY OF LAS VEGAS VERTICAL CONTROL POINT "D368", USC&GS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN

ELEVATION: 3246.63 (FEET)
989.57 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL (DATE RE-OBSERVED: 2008)
BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88)

FLOOD ZONE NOTE

THIS PROJECT SITE LIES WITHIN A FEMA DESIGNATED ZONE "X" PER FIRM PANEL 32003C2125E DATED SEPTEMBER 27, 2002. AREAS DESIGNATED AS ZONE X ARE DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

DRAINAGE CERTIFICATION

I CERTIFY THAT THE GRADING PLANS ARE IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY DS-5863A ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

07/14/2025

HAO A NGUYEN, P.E. 19396 — DATE

L___-_____ | CLV DWG # _____

QUANTITIES

RIPRAP D50=6"	CY	0.92
36" RCP SD	LF	64

EARTHWORKS

RAW CUT = 165,151.75 C.Y.
RAW FILL = 260,780.26 C.Y.
NET FILL = 41,628.51 C.Y.

GRADING PLAN NOTE

POST CONSTRUCTION BMPS (PCBMPS) / CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORM WATER POLLUTION CONTROLS. THESE PCBMPS MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

CAUTION TO CONTRACTOR

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HERON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND POTHOLE EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811 or 1-800-642-2444

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

STATE OF NEVADA — PROFESSIONAL ENGINEER — HAO A. NGUYEN — No. 19396 — Exp. 12/31/2025 — CIVIL

REV	DATE	DESCRIPTION	AGEN APP	DATE	GCW APP	DATE

PROJECT NO. 764-A295-001
DESIGN: QN
DRAWN: QN
CHECK: HN
PLOT DATE: 07-14-25
PLOT TIME: 11:11:58

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

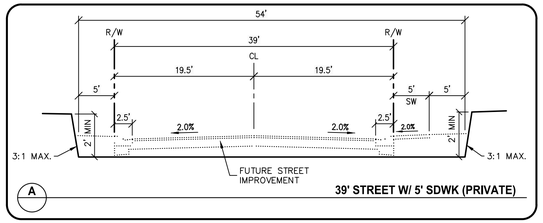
F:\PROJECTS\700\764-A295-001\DWG\PRODUCTION\MASS GRADING\A295GMG-G.DWG — QUANGNHH.NGUYEN

PN II, INC

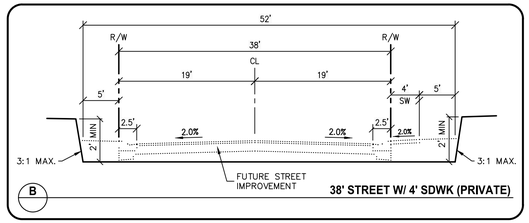
SUMMERLIN VILLAGE 30A PARCEL C MASS GRADING

MASS GRADING PLAN 4

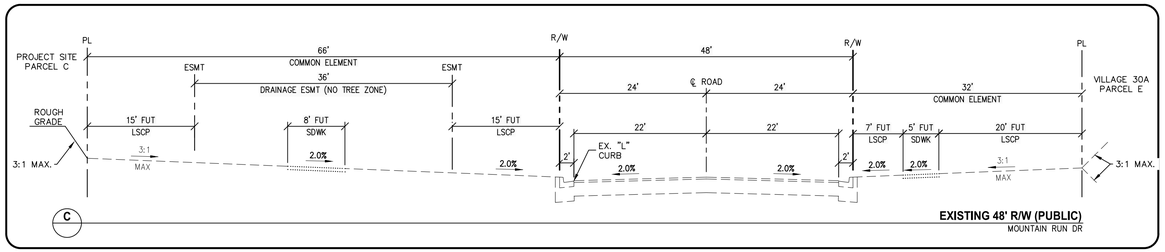
DRAWING
MG4
7 OF 11 SHTS



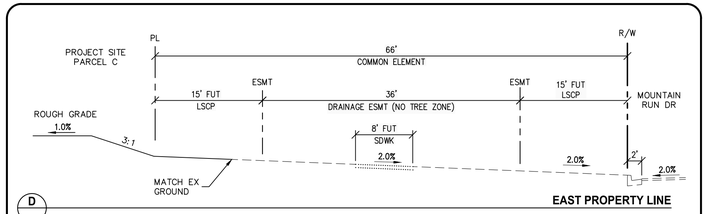
A — **39' STREET W/ 5' SDWK (PRIVATE)**



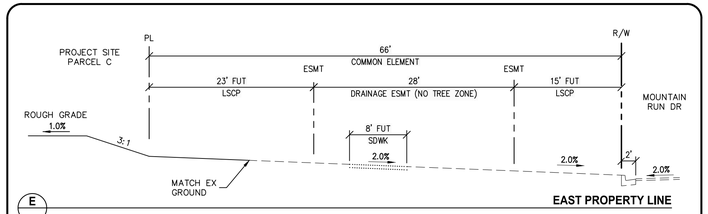
B — **38' STREET W/ 4' SDWK (PRIVATE)**



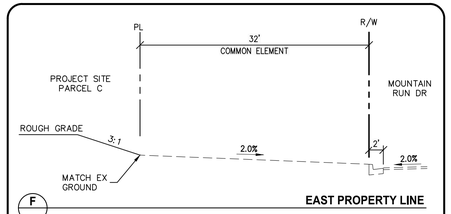
C — **EXISTING 48' R/W (PUBLIC)**
MOUNTAIN RUN DR



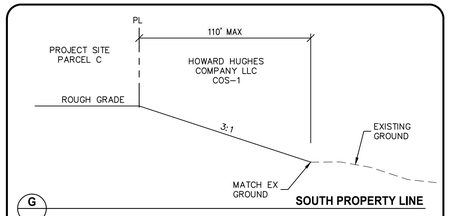
D — **EAST PROPERTY LINE**



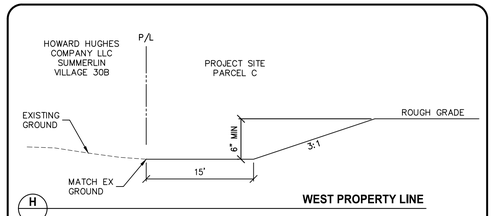
E — **EAST PROPERTY LINE**



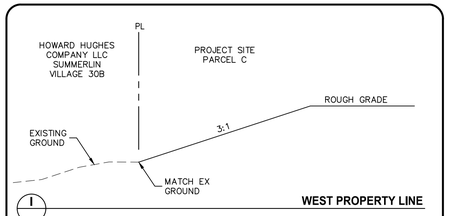
F — **EAST PROPERTY LINE**



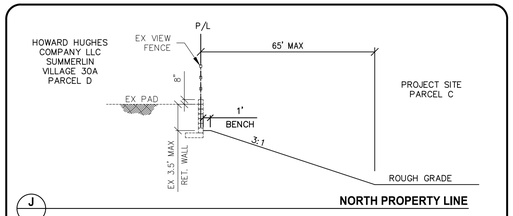
G — **SOUTH PROPERTY LINE**



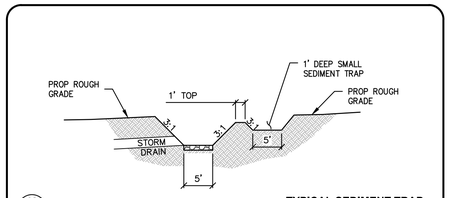
H — **WEST PROPERTY LINE**



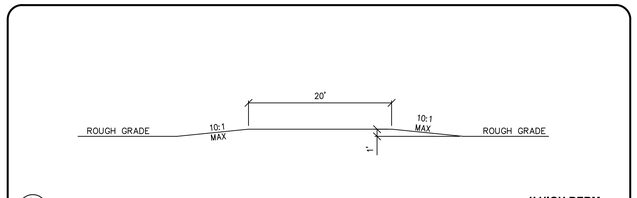
I — **WEST PROPERTY LINE**



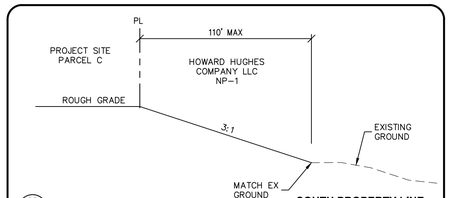
J — **NORTH PROPERTY LINE**



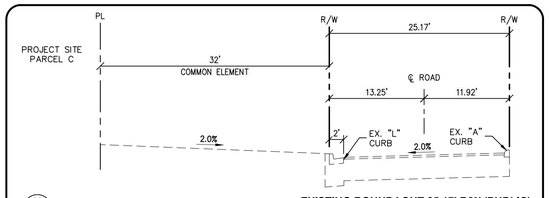
K — **TYPICAL SEDIMENT TRAP**



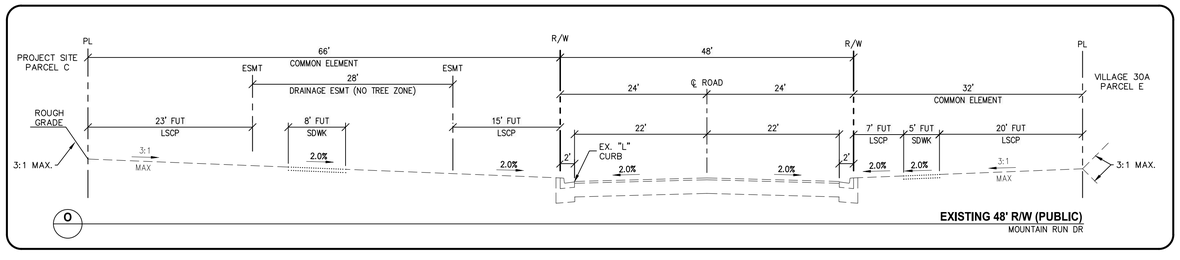
L — **1' HIGH BERM**



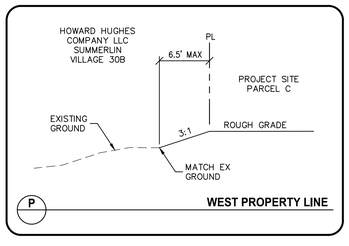
M — **SOUTH PROPERTY LINE**



N — **EXISTING ROUNDAOUT 25.17' R/W (PUBLIC)**
MOUNTAIN RUN DR



O — **EXISTING 48' R/W (PUBLIC)**
MOUNTAIN RUN DR



P — **WEST PROPERTY LINE**

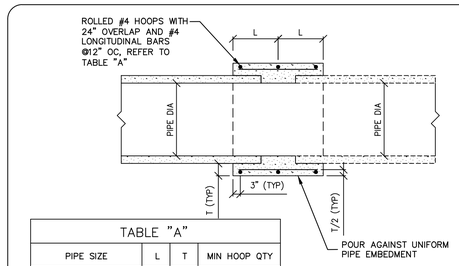


TABLE "A"			
PIPE SIZE	L	T	MIN HOOP QTY
≤ 24"	18"	8"	2
24" < PIPE SIZE ≤ 48"	24"	10"	3
48" < PIPE SIZE ≤ 72"	72"	12"	4
> 72"	BY DESIGN		

CONSTRUCTION NOTES

A) MINIMUM CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 4,500 PSI.
B) FORMS USED TO POUR CONCRETE COLLAR SHALL BE REMOVED PRIOR TO BACKFILL.
C) DIAMETER OF ROLLED HOOPS SHALL BE PIPE DIA + (2 X WALL THICKNESS) + T.
D) CONCRETE SHALL BE VIBRATE AROUND PIPE JOINT DURING PLACEMENT.

1 — **STORM DRAIN PIPE CONNECTION DETAIL**
NTS

L___-_____ | CLV DWG # _____

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

F:\PROJECTS\700\764-A295-001\DWG\PRODUCTION\MASS GRADING\V29\CMG-D.DWG QUANGNHI NGUYEN

STATE OF NEVADA — PROFESSIONAL ENGINEER — No. 19396 — QUANGNHI NGUYEN — Exp. 12/31/2025 — CIVIL — DATE: 07/14/2025

REV	DESCRIPTION	DATE	AGEN APP	DATE	GCW APP	DATE

PROJECT NO. 764-A295-001
DESIGN: QN
DRAWN: QN
CHECK: HN
PLOT DATE: 07-14-25
PLOT TIME: 11:12:08

PN II, INC

SUMMERLIN VILLAGE 30A PARCEL C MASS GRADING

SECTIONS & DETAILS 1

DRAWING
D1
8 OF 11 SHTS