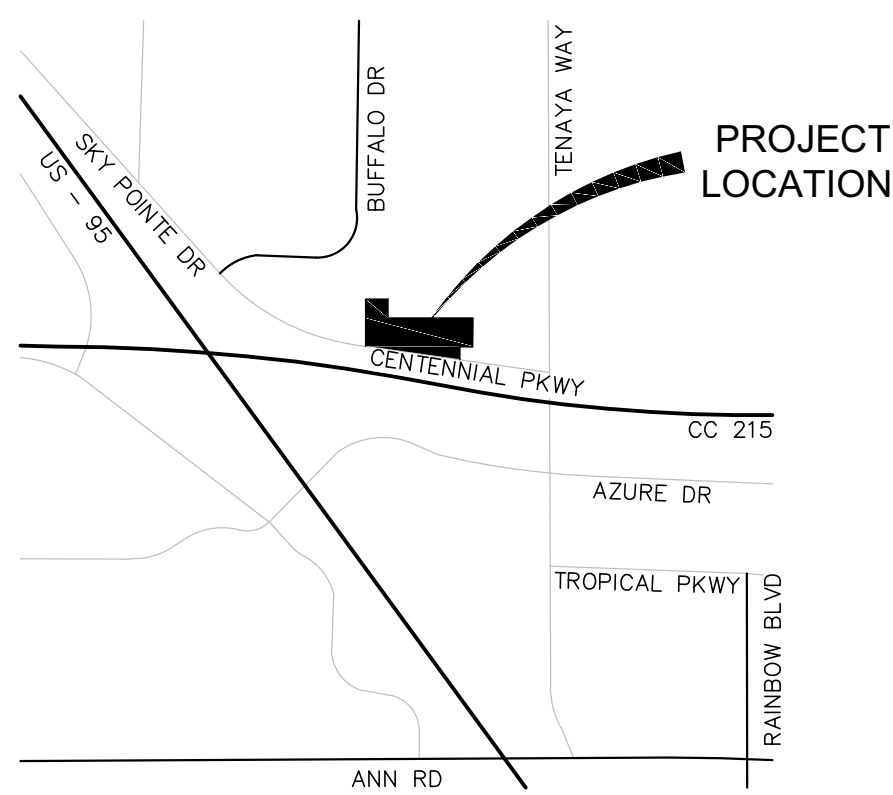
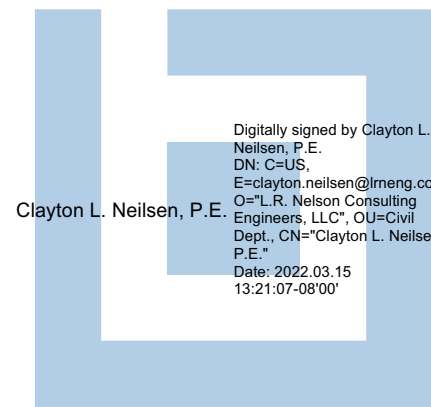


VUE APARTMENTS AT CENTENNIAL PHASE III IMPROVEMENT PLANS

CITY OF LAS VEGAS
STATE OF NEVADA
APNs #125-22-401-009 & 125-22-401-016
16.38 GROSS/NET ACRES



VICINITY MAP

APPROVED FOR CONSTRUCTION



SCALE: NTS

SHEET INDEX	
Sheet Number	Sheet Title
C1.01	COVER SHEET
C1.02	GENERAL NOTES
C1.03	GENERAL NOTES & QUANTITIES
C1.51	HORIZONTAL CONTROL PLAN 1
C1.52	HORIZONTAL CONTROL PLAN 2
C1.53	HORIZONTAL CONTROL PLAN 3
C1.54	HORIZONTAL CONTROL PLAN 4
C1.55	HORIZONTAL CONTROL PLAN 5
C2.01	GRADING PLAN 1
C2.02	GRADING PLAN 2
C2.03	GRADING PLAN 3
C2.04	GRADING PLAN 4
C2.05	GRADING PLAN 5
C2.06	GRADING PLAN 6
C2.07	GRADING PLAN 7
C2.08	GRADING PLAN 8
C2.09	GRADING PLAN 9
C3.00	MASTER UTILITY PLAN 1
C3.01	MASTER UTILITY PLAN 2
C3.02	UTILITY PLAN 1
C3.03	UTILITY PLAN 2
C3.04	UTILITY PLAN 3
C3.05	UTILITY PLAN 4
C3.06	UTILITY PLAN 5
C3.07	UTILITY PLAN 6
C3.08	UTILITY PLAN 7
C3.09	UTILITY PLAN 8
C3.10	UTILITY PLAN 9
C3.11	UTILITY DETAILS 1
C3.12	UTILITY DETAILS 2
C4.01	UTILITY PLAN AND PROFILE 1
C5.01	TRAFFIC, FIRE, STREETLIGHT PLAN 1
C5.02	TRAFFIC, FIRE, STREETLIGHT PLAN 2
C5.03	TRAFFIC, FIRE, STREETLIGHT PLAN 3
C5.04	TRAFFIC, FIRE, STREETLIGHT PLAN 4
C5.05	TRAFFIC, FIRE, STREETLIGHT PLAN 5
C5.06	TRAFFIC, FIRE, STREETLIGHT PLAN 6
C6.01	SECTIONS AND DETAILS
C6.02	SECTIONS AND DETAILS
C6.03	SECTIONS AND DETAILS
C6.04	SECTIONS AND DETAILS
C6.05	SECTIONS AND DETAILS

LEGAL DESCRIPTION

PROVIDED BY: FIDELITY NATIONAL TITLE GROUP, COMMITMENT FILE NO. 4248324F-421-421-BB1.
EFFECTIVE AS OF: MARCH 16, 2021

PARCEL 1: (APN 125-22-401-009)

THE SOUTHWEST QUARTER (SW1/4) OF THE NORTHWEST QUARTER (NW1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 22, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M.

EXCEPTING THEREFROM THAT PORTION OF LAND CONVEYED TO CLARK COUNTY, BE DEED RECORDED SEPTEMBER 5, 1977, IN BOOK 788 AS DOCUMENT NO. 747587, OFFICIAL RECORDS CLARK COUNTY, NEVADA.

TOGETHER WITH THAT PORTION OF LAND VACATED BY THAT CERTAIN ORDER OF VACATION RECORDED DECEMBER 18, 2007, IN BOOK 200771218 AS DOCUMENT NO. 0000081, OFFICIAL RECORDS CLARK COUNTY, NEVADA.

PARCEL 2: (APN 125-22-401-016)

THAT PORTION OF THE SOUTH HALF (S1/2) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 22, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARCELS 1 AND 2 AS SHOWN BY MAP THEREOF IN FILE 124 OF PARCEL MAPS, PAGE 60, IN THE OFFICE OF THE COUNTY RECORDER OF CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION 6LV9021SES, RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)
EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:
1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
2. GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.



SITE MAP



SCALE: NTS

OWNER

SHIRON DEVELOPMENT LLC
C/O M GASWIRTH 2049 CENTURY PARK
E. STE 3200, LOS ANGELES, CA 90067
PHONE: (310)284-5693

DEVELOPER

BLUE MARBLE DEVELOPMENT LLC
4322 W CHEYENNE AVE.
LAS VEGAS, NV 89032
PHONE: (702)251-0789
FAX: (702)469-8209
CONTACT: STEVE DREW
EMAIL: SDREW@BLUEMARBLEDEV.COM

ENGINEER

L.R. NELSON CONSULTING ENGINEERS, LLC
6765 WEST RUSSELL ROAD, SUITE 200
LAS VEGAS, NEVADA 89118-1811
PHONE: (702)798-7978
CONTACT: CLAYTON L. NELSEN
EMAIL: CLAYTON.NELSEN@LRNENG.COM

SOILS REPORT

ORIGINAL REPORT:
ANGLE ENGINEERING
DATED: JUNE 20, 2014
PROJECT NO. 45012-1

SUMMARY REPORT:
AZTECH MATERIALS TESTING
DATED: JULY 22, 2019
PROJECT NO. BLUX-001

UPDATE REPORT:
GEOTEK, INC.
DATED: JANUARY 14, 2022
PROJECT NO. 12312-LV

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT
PLANNING & ENGINEERING SERVICES

PROJECT No. XXXXX FIRST APPROVAL DATE: _____
LVVWD APPROVED FIRE FLOW: XXXX GPM AT 20 PSI RESIDUAL
SHEETS: C1.01, C1.02, C1.03, C3.00, C3.01, C3.02, C3.03, C3.04, C3.05, C3.06, C3.07, C3.08, C3.09, C3.10, C3.11, C3.12 & C4.01

CLV ENGINEERING

DEPARTMENT OF PLANNING

THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING DEPARTMENT.

LAS VEGAS FIRE & RESCUE

FIRE DEPARTMENT APPROVAL
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS
REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.

NEVADA POWER d.b.a. NV ENERGY

NEVADA POWER d.b.a. NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICES TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER d.b.a. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

CENTRAL TELEPHONE CO. d.b.a. CENTURYLINK

THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

COX COMMUNICATIONS LAS VEGAS, INC.

SOUTHWEST GAS CORPORATION

SWG UID

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROJECT LOCATION.

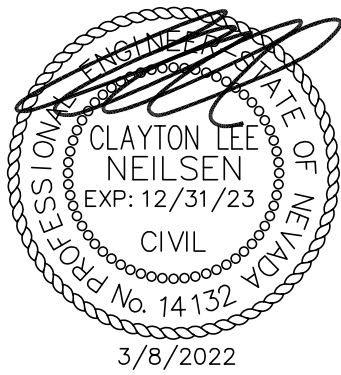


DESIGNED BY: JA, EV, DG	DRAWN BY: JA, EV, DG	CHKD BY: JA, CN
JOB NUMBER: 2206002	DATE: Mar-22	
REVISION	DATE	APPL
NO.		

L. R. NELSON CONSULTING ENGINEERS, LLC	6765 West Russell Road, Suite 200 Las Vegas, Nevada	(702) 798-7978 (702) 451-2296 FAX
STRUCTURAL		
CIVIL		
PLANNING		
SURVEY		

SHIRON
DEVELOPMENT
LLC

COVER SHEET
VUE APARTMENTS AT
CENTENNIAL PHASE III
CITY OF LAS VEGAS
NEVADA



SHEET NUMBER
C1.01
OF 42 SHEETS
CLV# LXX-XXXXX

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS," LATEST EDITION, LATER EDITIONS ARE APPLICABLE, LATEST REVISIONS OF THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," CLARK COUNTY AREA NEVADA," LATEST REVISED EDITION; THE "SUMNERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMNERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, CITY ORDINANCES AND CITY ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, STRUCTURES OR EQUIPMENT, INCLUDING BUT NOT LIMITED TO, POWER LINES, GAS PIPES, THE AVAILABLE RECORDS, EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS SUBJECT TO THE CONTRACTOR'S OBLIGATION TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONSTRUCTION SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. ALL CONCRETE WORK, CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. ALL CONSTRUCTION ARE REQUIRED TO BE IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTENDED-TYPE CURB.

8. ALL NEW CONSTRUCTION SHALL BE ONE-FIFTH (1/5) ABOVE ALL OF ALL GUTTERS AFTER COMPLETION, EXCEPT SIDEWALK RAMPINGS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. ALL NEW CONSTRUCTION SHALL BE LOCATED IN THE QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY THE CITY INSPECTOR.

11. ALL NEW CONSTRUCTION SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL NEW CONSTRUCTION SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE (COMPANY, REPORT # DATE) APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY THE CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. ALL NEW CONSTRUCTION SHALL TAKE APPROPRIATE MEASURES NECESSARY TO PROTECT EXISTING PERMANENT SURFACE MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S., STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. ALL NEW CONSTRUCTION SHALL PROVIDE ALL NECESSARY LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

16. ALL NEW CONSTRUCTION SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

17. THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

19. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING LINES, VALVE BOXES, MANHOLE AND ALL OTHER WALLETS, ETC. TO BE APPLICABLE TO THE CITY ENGINEER WHETHER OR THEY ARE SHOWN ON THE PLANS.

20. IN MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE, LATEST EDITION, LATEST REVISIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

21. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE CITY ENGINEER:

22. ALL NEW CONSTRUCTION SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

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1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BY IMMEDIATELY NOTIFIED FOR DIRECTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. THE CONTRACTOR SHALL REFER TO THE AREAS TO THE SPOTS AND ELEVATIONS SHOWN ON THE PLANS WITH THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED.

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER AND HIS REPRESENTATIVE.

8. IT HAS BEEN ESTABLISHED THAT THE USE OF POISSON WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC AREAS CLEAR AND SAFE. ALL EXCESSIVE DEBRIS, SUCH AS SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN PRIVATE PROPERTY ADJACENT TO THE PROJECT SAFE AND USABLE CONDITION.

10. IN THE EVENT THAT A TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN IN THE CITY DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER.

11. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

1. ALL CONSTRUCTION AND MATERIALS SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INCLUDING THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND TRENCHING STANDARD SPECIFICATIONS. ALL PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE LATEST EDITION OF THE SPECIFICATIONS OF THE ABOVE CITED STANDARDS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CURBS, 15" OR 16" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INCLUDING THE DESIGN AND CONSTRUCTION STANDARDS FOR AGRICULTURAL BASE.
5. ALL MANHOLES PAVED IN STREETS SHALL BE 80" PAVE R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREET LESS THAN EIGHTY (80") FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. THE CITY SHALL BE RESPONSIBLE FOR THE EXISTING LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WHEN THE PROJECT IS IN ACCORDANCE WITH LVWD STANDARDS, THE CONTRACTOR, WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCHES (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT EXCEED NEVADA CLASS "A" CONTRACTORS SHALL BE RESPONSIBLE FOR THE EXISTING LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE MANHOLE TO THE NEXT MANHOLE. ANY PLANS OR CONSTRUCTION WHICH EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. THE STREET SIGN CONTRACTOR SHALL START WORK ON THE PROJECT AND SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET INTERSECTIONS WHERE EXISTING STOP SIGNS ARE NOT PRESENT. IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. THE "SCHOOL ZONE" SIGNAGE TO "SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD" TO ASSIST STUDENTS THROUGH THE FULL DURATION OF THE PROJECT WHEN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, OR RELOCATION OF EXISTING TRAFFIC PAVEMENT MARKING, MARKING SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL UTILIZE TYPE X RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CALTRANS 627 AND 716 WHICH HAVE BEEN EVALUATED AND FOUND TO BE EQUIVALENT TO THE MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. STREET NAME SIGNS SHALL CONFORM IN THEIR DESIGN TO THE CURRENT CITY STANDARD. ALL SIGN POSTS SHALL BE THE SAME SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. ALL SIGN POSTS SHALL BE MINIMUM 5 FEET TO A MAXIMUM OF FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE REMOVED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN

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1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (USD), LATEST REVISION.
2. DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS, INCLUDING THE CITY WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.
3. LUMINAIRES SHALL BE MARKED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE EXTERNAL LABELS PER ANSI C136 THAT INDICATE WATTAGE AND ARE CLEARLY IDENTIFIED FROM STREET FRONT.
4. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS, ETC., LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC AND CITY ENGINEER, ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.
5. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH THE TRAFFIC ENGINEERING DRAWINGS.
6. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN NO. #8 AWG WIRE INSTALLED AS TRACER WIRE IN ACCORDANCE WITH SECTION 623 G.02.01 OF THE USS PRIOR TO CONSTRUCTION.
7. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH USD NO. 320A WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE STREET LIGHTING.
8. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE PROVIDED TO THE TRAFFIC ENGINEER AND SIGNATURE OF THE CONTRACTOR.
9. SERVICE POINTS SHALL BE COORDINATED WITH NV ENERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE TRAFFIC ENGINEERING DRAWINGS.
10. NEW STREETLIGHT SERVICES SHALL BE 200 AMP PADMOUNT AND SHALL PROVIDE CAPACITY FOR 20 OR 24 AVAILABLE CIRCuits.
11. IF THE PADMOUNT IS AN OVERHEAD, THAT MAY COMPLY WITH THE REQUIREMENTS OF THE INSTALLATION OF STREETLIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED. AT NO EXPENSE TO THE CITY OF LAS VEGAS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION OR SEDIMENTATION IF IT IS DETERMINED THAT AN ONSITE BEST MANAGEMENT PRACTICES STANDARDS SPECIFIED IN THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS POSSIBLE 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 NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION II.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 AREA SUBJECT TO PRECIPITATION INDICATED BY THE NATIONAL WEATHER SERVICE (NWS) WEEKLY, AND WITHIN 24 HOURS AFTER ANY ACTUAL 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 THE STORMWATER POLLUTION PREVENTION PLAN MAY APPLY TO THE DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMP'S SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A RAIN EVENT EXCEEDS THE DESIGN RAINFALL ANTICIPATED FOR THE STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICT'S APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC § 105.6.15

4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT BEFORE COMMENCEMENT OF ANY COMMERCIAL CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC § 510.3, IFC § 530.3
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. IFC § 507.5.7.3
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE. FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC § 106.3.
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U/L LISTED, IFC § 106.3 APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. IFC § 507.2.1, NFPA
8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC § 507.5.7.1
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC § 507.5.7.1
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC § 507.7
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC § C102
 - RESIDENTIAL - 500 FT UNSPRINKLERED, 600 FT SPRINKLERED.
 - COMMERCIAL - 300 FT UNSPRINKLERED, 400 FT SPRINKLERED.

12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT. FROM THE PROPERTY LINE FOR INTERSECTIONS OF STREETS AND ALONG STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED TO BE LOCATED ON THE SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. IFC § C102.8
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC § C102.10
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 150 FT. IFC § C102.11
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.7
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC § C102.6
18. TWO (2) TYPES OF SYSTEMS ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS BEING CALLED ON A SINGLE SYSTEM. FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY, SECTION CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. FOR SYSTEMS PERMITTED TO HAVE ONE SOURCE OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 3 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. IFC § C104
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVEWAYS. DRIVEWAYS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. IFC § 503.2.3
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%, ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25' OR LESS. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC § 503.7.2.1

LVVMD PROJECT NO. XXXXX

NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD, FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVMD CONSTRUCTION CENTER (772-228-3152) WITH TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE STARTED DATE OF INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.

ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS (UDAS) SYSTEMS (UDAS). THE LATEST EDITION OF UDAS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.

ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL CONFORM WITH AND BE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.

ALL SINGLE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD.

ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.

ALL VALVES SHALL BE LOCATED OUTSIDE DRIVEWAY AREAS.

ALL VALVES SHALL BE LOCATED OUTSIDE DRIVEWAYS, VALLEY AND CURB GUTTERS.

ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO THE LVVMD STANDARD SPECIFICATIONS.

ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.

THE CONSTRUCTION MUST OBSERVE ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CENTRAL STORES. TELEPHONE 702-258-3152 OR 702-258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH UDAS SECTION 3.14.01, AND APPROVED BY THE LVVMD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.

ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD APPROVED PRODUCT'S LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.

TELEPHONE 772-228-3152 BEFORE YOU DIG

ALL WATER FACILITY MATERIALS 227-268-3152 SHALL BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVMD TO OR FOR THE DISTRICT SHALL BE IN COMPLIANCE WITH THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS RESPONSIBILITY OF THE OWNER'S ASSOCIATION OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVE JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC STREET OR STREET FRONTAGE, IF DISAPPROVED BY THE LVVMD, SHALL BE THE OPERATION OF ITS FACILITIES, WILL BE REPLACED BY THE LVVMD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVMD WILL NOT BE RESPONSIBLE FOR REPLACING OR REPAIRING ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVMD WILL NOT ATTEMPT TO MATCH COLOR FINISH OF ADJACENT MATERIALS.

15.	NO LEAD COMPLIANCE NOTE: TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.
16.	PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS PLATES. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.
17.	DRY UTILITY NOTES: MAINTAIN A MINIMUM 12" SEPARATION AT ALL POINTS OF CROSSINGS. MAINTAIN A MINIMUM 3' PARALLEL SEPARATION.

SOUTHERN NEVADA - SOUTHWEST
GAS CORPORATION GENERAL NOTES

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020.
2. MINIMUM HORIZONTAL AND VERTICAL CLEARANCES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND UTILITIES AND/OR STRUCTURES, INCLUDING, BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC SHALL BE AT LEAST 12-INCHES OR GREATER AS DICTATED BY LOCAL CODES AND STANDARDS.
 - a) ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES.
3. FOR VALVE ADJUSTMENT CONTACT 702-528-7881 14 DAYS PRIOR TO CONSTRUCTION.
4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND STRUCTURES CONTACT 702-365-2099.
5. FOR STANDBY WHEN EXCAVATING (INCLUDING SAW CUTTING AND PAVEMENT REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES CONTACT 702-278-8451 48 HOURS PRIOR TO CONSTRUCTION.

REVISÉ FEBUARY 4, 2019

	EXISTING GRADE ELEVATION		WATER CONSTRUCTION NOTE
	PROPOSED GRADE ELEVATION		PROPOSED WATER MAIN
	FUTURE GRADE ELEVATION		EXISTING STORM DRAIN
	EXISTING GRADE SLOPE		STORM DRAIN CONSTRUCTION NOTE
	PROPOSED GRADE SLOPE		PROPOSED STORM DRAIN
	FUTURE GRADE SLOPE		EXISTING DROP INLET
	EXISTING CONTOUR		PROPOSED DROP INLET
	PROPOSED CONTOUR		EXISTING FIRE HYDRANT
	PROPOSED GRADE BREAK		PROPOSED FIRE HYDRANT
	PROPOSED SCARP		RAISED BLUE REFLECTIVE MARKER
	PROPOSED SWALE		EXISTING GATE VALVE
	PROPOSED LOT LINE		PROPOSED GATE VALVE
	PROPOSED RETAINING WALL		PROPOSED SEWER LATERAL
	PROPOSED RIGHT-OF-WAY		PROPOSED CLEANOUT
	PATENT EASEMENT		EXISTING WATER METER
	CENTERLINE OF ROAD		PROPOSED WATER LATERAL AND METER
	FUTURE CURB & GUTTER		BACK WATER VALVE
	PROPOSED CURB & GUTTER		PRESSURE REDUCING VALVE
	PROPOSED SIDEWALK		GRADING CONSTRUCTION NOTE
	SAWCUT LINE		TRAFFIC & FIRE CONSTRUCTION NOTE
	EXISTING SANITARY SEWER		EXISTING STREETLIGHT
	SANITARY SEWER CONSTRUCTION NOTE		PROPOSED STREETLIGHT
	PROPOSED SANITARY SEWER		PROPOSED STREETLIGHT CONDUIT
	EXISTING WATER MAIN		PROPOSED SERVICE PEDESTAL
	EARTHWORK CUT/FILL LINE		EXISTING SIGN
	COVERED PARKING		PROPOSED SIGN
			PARKING BUMPER

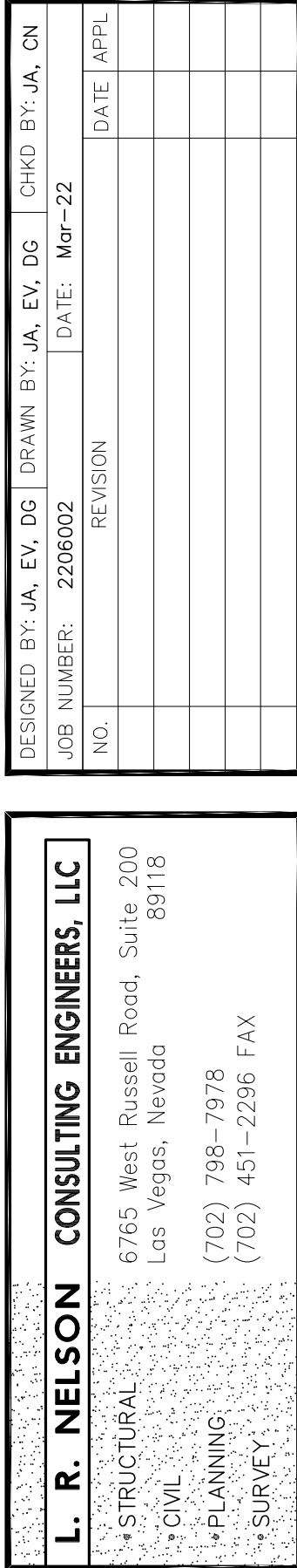
AC	ASPHALT CONCRETE	GM	GAS METER	RCB	REINFORCED CONCRETE BOX
BCR	BEGIN CURB RETURN	GR	DRAIN GRATE	RCP	REINFORCED CONCRETE PIPE
BFE	BASE FLOOR ELEVATION	GV	GATE VALVE	RHW	RIDGE OF WAY
BLDG	BUILDING	H	HEIGHT	SW	SIDEWALK
BO	BLOW OFF	HP	HIGH POINT	S	SLOPE
BSW	BACK OF SIDEWALK	I	INVERT	SHT	SHEET
C or CL	CENTERLINE	IRR	IRRIGATION	STA	STATION
CCAUD	CLARK COUNTY AREA	L	LENGTH	SD	STORM DRAIN
	UNIFORM STANDARD	LF	LINE FEET	SNWA	SOUTHERN NEVADA WATER
	DRAWINGS	LP	LOW POINT		AUTHORITY
CCRFCD	CLARK COUNTY REGIONAL	LS	LANDSCAPE	SS	SANITARY SEWER
	FLOOD CONTROL DISTRICT	LWVWD	LAS VEGAS VALLEY	t or TEL	TELEPHONE
CCWRD	CLARK COUNTY WATER		WATER DISTRICT	TB	TOP OF BOX
	RECLAMATION DISTRICT	MAX	MAXIMUM	TC or TC	TOP BACK OF CURB
CO	CLEANOUT	MD	MANHOLE	TE	TRASH ENCLOSURE
CONC	CONCRETE	MIN	MINIMUM	TF	TOP OF FOOTING
CO	CONTINUE	MOD	MODIFIED	TP	TOP OF PIPE
DCSWCS	DESIGN AND CONSTRUCTION	MUS	MUNICIPAL UTILITY	TRW	TOP OF RETAINING WALL
	STANDARDS FOR WASTEWATER	N	NEAREST	TSW	TOP OF SIDEWALK
	COLLECTION SYSTEMS	NTE	NOT TO SCALE	TY	TYPICAL
DIA	DIAMETER	No. or #	NUMBER	UDACS	UNIFORM DESIGN &
DIP	DRAIN INLET		ON CENTER		CONSTRUCTION STANDARD
DIP	DUCTILE IRON PIPE	OFFSET	OFFSET		FOR WATER DISTRIBUTION
DOM	DOMESTIC	PC	POINT OF CURVATURE		SYSTEMS
EA	EACH	PCC	POINT OF COMPOUND	VC	VALLEY GUTTER
EG	EXISTING GROUND	PC	CURVATURE	UTL	UTILITY POLE
EOP or EP	EDGE OF PAVEMENT	PCC	POINT OF CONNECTION	W/	WITH
EL or ELEV	ELEVATION	P	PROPERTY LINE	W	WATER
	EXISTING	PR	POWER POLE	WM	WATER METER
FC or FOC	FACE OF CURB	PRC	POINT OF REVERSE		
FF	FINISH FLOOR		CURVATURE		
FFE	FINISH FLOOR	PT	POINT OF TANGENCY		
FG	FINISH GRADE	PVC	POLYVINYL CHLORIDE		
FH or HYD	FIRE HYDRANT		PIPE		
FL	FLOW LINE	PVT	PRIVATE		
FO	FIBER OPTIC				
FS	FINISH SURFACE				
G	GAS				
GB	GRADE BREAK				
GF	GARAGE FINISH FLOOR				

NONE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT
PLANNING & ENGINEERING SERVICES

PROJECT No. XXXXX FIRST APPROVAL DATE: _____
LVVWD APPROVED FIRE FLOW: XXXX GPM AT 20 PSI RESIDUAL _____



SHIRON DEVELOPMENT LLC	GENERAL NOTES VUE APARTMENTS AT CENTENNIAL PHASE III
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SHEET NUMBER
C1.02
OF 42 SHEETS
CLV# LXX-XXXXX

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CLV TRAFFIC SIGNAL NOTES (LD)	
1. ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN IMSA CERTIFIED TECHNICIAN. THE LEVEL OF CERTIFICATION REQUIRED SHALL BE LEVEL II.	
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRYCTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION. CALL-BEFORE-YOU-OVERHEAD 1-702-227-2929 CALL-BEFORE-YOU-DIG 1-800-227-2600 STREETLIGHTS 1-702-229-6331 F.A.S.T. 1-702-432-5300	
3. ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 5, 1992 WITH ALL SUBSEQUENT REVISIONS. BRACKET MOUNTED (SIDE-MOUNTED) VEHICLE SIGNAL ASSEMBLIES WITH 2 OR MORE SIGNAL HEADS SHALL HAVE AN ADDITIONAL ELBOW AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 AND SHOWN AS OPTION B IN UNIFORM STANDARD DRAWING NUMBER 844, AND SHALL HAVE A MENERALLAC SUPPORT AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 IF ONE OF THE SIGNAL HEADS CONTAINS 4 OR MORE SIGNAL MODULES.	
4. SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND ONE 40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PADMOUNT AND SHALL HAVE A CAPACITY OF 20 OR 24 CIRCUITS.	
5. LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG THW LOAD SIDE SHALL BE WIRED WITH FOUR #4 AWG THW (2 BLACK, 2 WHITE) AND ONE #8 AWG THW (GREEN).	
6. LUMINAIRES ON ALL SIGNAL POLES SHALL BE L.E.D. AS APPROVED BY THE CITY OF LAS VEGAS (CLV). DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS. INTERSECTION LIGHTING SHALL MEET THE REQUIREMENTS UNIFORM STANDARD DRAWING NUMBER 300.53. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL. FOR LUMINAIRES THERE SHALL BE 2(TWO)-#4 AWG THW CONDUCTORS FROM THE SERVICE TO THE CABINET. IN THE CABINET, THE #4 AWG THW CONDUCTORS SHALL BRANCH OFF INTO #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND LUMINAIRE FIXTURES.	
7. LUMINAIRES SHALL BE MARKED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE EXTERNAL LABELS PER ANSI C136.15 THAT INDICATE WATTAGE AND ARE CLEARLY VISIBLE FROM STREET LEVEL. TRAFFIC SIGNAL LUMINAIRES INSTALLED ADJACENT TO RESIDENTIAL HOUSING SHALL BE INSTALLED WITH MANUFACTURER PROVIDED HOUSE-SIDE SHIELDS.	
8. THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRES PHOTO CELL FOR CONTROL WITH #10 AWG THW COPPER STRANDED WIRE (TYPICAL). THE SIGN SHALL BE WIRED TO THE LUMINAIRE DIRECTLY ABOVE IT. IN THE EVENT THERE IS NO LUMINAIRE ON THE TRAFFIC SIGNAL POLE, THE 1000 WATT P.E. CONTROL SHALL BE MOUNTED ON THE POLE CAP. ALL NEW ILLUMINATED STREET NAME SIGNS SHALL HAVE LIGHT EMITTING DIODE (LED) LAMPS PER SECTION 623 T.02.16 OF THE SPECIAL PROVISIONS.	
9. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.	
10. ALL PULLBOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS NO. 705, NO. 706, AND NO. 707.	
11. TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.	
12. PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE TACTILE "POLARA NAVIGATOR" TYPE (2-WIRE PEDESTRIAN PUSHBUTTON SYSTEM WITH IN2 PUSH BUTTON STATIONS AND SHELF-MOUNT BIU CONTROL UNIT WITH SOLID CABLE) IN ACCORDANCE WITH CITY OF LAS VEGAS SPECIAL PROVISIONS AND SECTION 623 OF THE CCA USS. PUSH BUTTON SIGNS SHALL BE R10-3a PER MUTCD, 2009 EDITION, WITH FULL MOUNTING BRACKETS, AS MODIFIED BY THE MANUFACTURER TO FIT ON A 9X12" SIGN, AND SHALL BE PORCELAIN-ENAMELED METAL. ALL PUSH BUTTONS TO BE MOUNTED 42" ABOVE SIDEWALK. THE MAXIMUM HORIZONTAL REACH DISTANCE IS TO BE 10". SIDEWALK RAMPS WILL BE ACCORDING TO U.S.D. NO. 235 (1-4) LATEST EDITION, WHEN AN EXISTING SIGNAL WITH EXISTING AUDIBLE-TACTILE PUSH BUTTONS IS MODIFIED, THE CONTRACTOR SHALL VERIFY NEW PEDESTRIAN PUSH BUTTONS OR CABINET EQUIPMENT MATCHES THE MANUFACTURE AND MODEL OF ANY EXISTING EQUIPMENT SCHEDULED TO REMAIN, TO PROVIDE A FULLY FUNCTIONING SYSTEM. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL CABINET EQUIPMENT, INCLUDING THE PEDESTRIAN PUSH BUTTON CONTROL UNIT INTERFACE PANEL AND ANY REQUIRED HARNESSSES, TO PROVIDE A FULLY FUNCTIONING SYSTEM.	
13. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER.	
14. MAST ARM R10-12 SIGNS TO BE ADJACENT (NO GAP) TO THE M-5 SIGNAL HEAD. WHERE FLASHING YELLOW ARROW LEFT TURN SIGNALS ARE USED, A MAST ARM R10-12F LEFT TURN YIELD OR FLASHING YELLOW ARROW SIGN SHALL BE MOUNTED ADJACENT TO THE M-4 SIGNAL HEAD.	
15. TRAFFIC SIGNAL CABINET SHALL BE A TYPE VII CABINET UNLESS OTHERWISE SPECIFIED IN THE PLANS. THIS IS COMMONLY REFERRED TO AS AN "R" CABINET. THE CABINET SHALL CONFORM TO THE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS AND THE CITY OF LAS VEGAS SPECIAL PROVISIONS AND SHALL BE A NEMA TS2-TYPE2 CABINET. INSTALL CABINET NEAR THE R.O.W. LINE OR AS SHOWN ON THE DRAWINGS. THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE EQUIPPED WITH 16 LOAD BAY POSITIONS AND SHALL BE A 64 DETECTOR CHANNEL R CABINET WITH RACK-MOUNTED DETECTOR. THE CABINET SHALL CONTAIN A 764 OPTICOM PHASE SELECTOR, WITH A 768 AUXILIARY INTERFACE PANEL MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES. THE CABINET SHALL BE EITHER: MODEL R-44 CAB, TS2-2, LAS VEGAS, 64CH DET, PART # M73650 FROM MCCAIN, INC.; MODEL MOBOTREX LAS VEGAS TS2-TYPE2 16 POS., 64 CH, DET, DRAWING # T42161LV01 REV 3 FROM SIERRA TRANSPORTATION AND TECHNOLOGIES; OR MODEL TS2-2 HW 16 POSITION HORIZONTAL CITY OF LAS VEGAS CABINET, PART # 34413G12-02-06 FROM ECONOLITE CONTROL PRODUCTS, INC. ALL CABINETS SHALL BE PROVIDED WITH A COMPLETE SET OF FOUR BUS INTERFACE UNITS, POWER SUPPLY AND SDLC CABLES TO PROVIDE A FULLY FUNCTIONING SYSTEM. CABINET POWER SUPPLIES SHALL BE RENO A&E MODEL CPS-TS2-LED, PEEK MODEL PSI01, OR ECONOLITE P5-200. BIU'S SHALL BE RENO A&E MODEL 1240, PEEK MODEL BUS INTERFACE UNIT 82-1886-01, OR ECONOLITE PART # 160-1018-501.	
16. THE CONTRACTOR SHALL SUPPLY A MALFUNCTION MANAGEMENT UNIT (MMU) AND TRAFFIC SIGNAL CONTROLLER TO THE CITY OF LAS VEGAS TRAFFIC SIGNAL REPAIR SHOP A MINIMUM OF FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON OR PRIOR TO CONVERTING TO A NEW PHASING SCHEME, FOR TESTING AND PROGRAMMING PURPOSES. THE CONTROLLER SHALL BE A NATEC 980 ATC TS2 TYPE 2 MOTOR COMPLAINT SIGNAL CONTROLLER WITH INSTALLED AND LICENSED APOGEE CONTROLLER SOFTWARE, LATEST VERSION, AND THE MMU SHALL BE A MODEL MMU-1600GE AS MANUFACTURED BY RENO A&E, OR APPROVED EQUAL. THE CONTRACTOR SHALL DELIVER THE CONTROLLER AND MMU TO AND PICKUP THE CONTROLLER AT 2985 RENEWIS DRIVE. CONTRACTOR SHALL NOTIFY TRAFFIC ENGINEERING FIELD OPERATIONS (702-229-6331) SEVEN DAYS PRIOR TO PICK UP. THE CITY, AT ITS DISCRETION, MAY PROVIDE A DIFFERENT MODEL MMU FOR INITIAL TURN-ON, IN WHICH CASE CITY PERSONNEL WILL SWAP THE MMU AFTER THE PROJECT IS ACCEPTED.	
17. CONTRACTOR SHALL POTHOLE SIGNAL POLE LOCATIONS PRIOR TO ORDERING OF POLES.	
18. ALL MAST ARMS TO BE HOT-DIP GALVANIZED BY THE MANUFACTURER. THE MAST ARM IS TO BE FABRICATED WITH END TENON ONLY. THE END TENON SHALL BE FACTORY INSTALLED AND THE REMAINING TENONS SHALL BE FABRICATED IN THE FIELD AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC ENGINEER AND/OR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA U.S.D. NO. 808 SHEET 2. ALL WELDING SHALL CONFORM TO AWS D 2.0, "SPECIFICATION FOR WELDED HIGHWAYS AND RAILWAY BRIDGES," AND TO ANY ADDITIONAL REQUIREMENTS OF SECTION 623 OF THE SPECIFICATIONS. ALL EXPOSED WELDS, SHALL BE PAINTED AS PROVIDED FOR REPAIRING DAMAGED GALVANIZED SURFACES.	
19. ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATIONS, IN CONFORMANCE TO CITY OF LAS VEGAS SPECIAL PROVISIONS AND TO SECTION 623 OF THE CCA USS. ALL PEDESTRIAN SIGNAL FACES SHALL PROVIDE "WALKING PERSON", "WALKING AND COUNTDOWN" MESSAGES AS PROVIDED BY DURALIGHT MODEL #XM-400-VIEL OR DIALIGHT MODEL #430-6479-001X, OR APPROVED EQUAL. THE "COUNTDOWN" MESSAGE SHALL NOT FLASH. WHERE EXISTING SIGNALS ARE MODIFIED, THE CONTRACTOR SHALL VERIFY THAT LED PEDESTRIAN INDICATIONS FOR A SPECIFIC PHASE ARE OF THE SAME MANUFACTURE SO THAT THEY FUNCTION CORRECTLY, OR SHALL REPLACE ALL COUNTDOWN PEDESTRIAN INDICATIONS FOR THAT PHASE.	

CLV TRAFFIC SIGNAL NOTES (LD) - CONTINUED	
20. VIDEO DETECTION SYSTEMS SHALL BE TS2 COMPATIBLE AND SHALL INPUT DETECTOR CALLS TO THE CONTROLLER THROUGH AN SDLC CABLE. SYSTEMS WILL BE EITHER ITERIS EDGE 2-IN PROCESSORS WITH VRACK5-PS, EDGE2-TS2-MM-PAK AND EDGECONNECT PAK, (IP ADDRESSABLE); PEEK VIDEOTRAK IQ (WITH ETHERNET PORT AND SDLC); ECONOLITE AUTOSCOPE VISION SYSTEM WITH COMM MANAGER AND MINI DETECTION PROGRAMMING KIT MOUNTED IN THE CABINET; OR TRAFICON VIP WITH VEWCOM (IP ADDRESSABLE) AND PM (SDLC). WHEN VIDEO DETECTION IS SPECIFIED ON THE TRAFFIC SIGNAL PLANS, ALL VIDEO DETECTION SYSTEMS WILL BE STAND ALONE SYSTEMS TO INCLUDE ALL NECESSARY EQUIPMENT TO PROGRAM THE VIDEO DETECTION SYSTEM. A PROGRAMMING "MOUSE", KEYPAD OR LAPTOP COMPUTER (IF REQUIRED FOR PROGRAMMING THE VIDEO DETECTION SYSTEM) AND APPROPRIATE SOFTWARE WILL BE SUPPLIED WITH EACH VIDEO SYSTEM. PERSONAL COMPUTERS (PCS) MAY NOT BE SUBSTITUTED FOR LAPTOPS. A VIDEO MONITOR (COLOR FLAT SCREEN) 9" TO 13" WILL BE SUPPLIED WITH EACH VIDEO DETECTION EACH VIDEO CAMERA WILL HAVE POWER AND VIDEO CABLE DIRECTLY FROM THE CABINET. COAXIAL CABLE WILL BE TYPE 8281 (SOLID CENTER CONDUCTOR). CAMERAS THAT USE A PREFABRICATED CABLE INTEGRATING POWER AND VIDEO INTO A SINGLE WEATHERPROOF CONNECTOR ARE ACCEPTABLE. "BNC" ARE THE ONLY ACCEPTABLE TERMINATION OF COAXIAL CABLES. CAMERAS WILL BE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS AND PER CLV TRAFFIC ENGINEER APPROVAL. VIDEO CAMERAS SHALL BE COLOR AND SHALL BE MOUNTED ON A MINIMUM 6 FOOT RISER ON THE SIGNAL MAST ARM WITH EXTENSION BRACKETS (TYPE AG-0175-74-62 OR EQUIVALENT). THE LOCATION OF THE CAMERA ON THE MAST ARM SHALL BE APPROVED BY THE TETO TRAFFIC SIGNAL SUPERVISOR. A VIDEO FILTER (X006-BNYC OR EQUIVALENT) WILL BE INSTALLED IN THE SIGNAL CABINET FOR EACH CAMERA VIDEO INPUT WHEN COAX IS USED. VIDEO DETECTION PROCESSORS AND COMMUNICATIONS CARDS SHALL BE PROVIDED WITH THE LATEST VERSIONS OF THE MANUFACTURER'S SOFTWARE. THE CONTRACTOR SHALL AIM CAMERAS AND PROGRAM AND CONFIGURE THE VIDEO DETECTION PROCESSORS TO PROVIDE A FULLY FUNCTIONING SYSTEM.	
21. WHERE NEW LOOPS WILL BE OVERLAID WITH NEW PAVEMENT, LOOP DETECTORS SHALL BE PREFORMED LOOPS AS MANUFACTURED BY RENO A & E LOOP SYSTEMS AND ALL LOOPS SHALL BE INSTALLED IN THE ROADWAY PRIOR TO PLACEMENT OF THE FINAL PAVEMENT LIFT. WHERE NEW LOOPS ARE INSTALLED THAT ARE NOT OVERLAID WITH NEW PAVEMENT, LOOPS SHALL BE CABLE-IN-DUCT PER SECTION 623 T.02.04.C OF THE CITY OF LAS VEGAS SPECIAL PROVISIONS. LOOP LEAD-IN CABLE SHALL BE 6-PAIR 18 AWG MULTIPLE CONDUCTOR CABLE AS SPECIFIED IN SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS. ALL WIRING HARNESSSES, RACK POSITIONS, AND LOOP LEAD-IN CABLE SHALL BE CLEARLY MARKED AS TO THE APPROPRIATE PHASE AND LETTER DESIGNATION TO WHICH IT BELONGS AS SHOWN ON THE TRAFFIC SIGNAL PLANS. LOOPS SHALL BE LOCATED AS SHOWN ON THE TRAFFIC SIGNAL PLANS AND APPROVED BY THE CLV TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION. REFER TO SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.	
22. OPTICAL PREEMPTION UNITS WILL BE GLOBAL TRAFFIC TECHNOLOGIES (ENCODING CAPABLE), MODEL 764 OPTICOM PHASE SELECTOR INSTALLED IN A MODEL 760 RACK WITH A MODEL 768 AUXILIARY INTERFACE PANEL (AIP) MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES. OPTICAL SENSORS WILL BE MODEL 721 WITH ONE DETECTOR PER DIRECTION, UNLESS SHOWN OTHERWISE IN THE PLANS, AND WILL BE INTERFACED TO THE TRAFFIC SIGNAL CONTROLLER CABINET WITH M-138 CABLE. THE SOUTHBOUND OPTICOM DETECTOR SHALL BE WIRED TO INPUT PREEMPTS ON CHANNEL 1 IN THE PHASE SELECTOR, EASTBOUND ON CHANNEL 2, NORTHBOUND ON CHANNEL 3, AND WESTBOUND ON CHANNEL 4, UNLESS VARIATIONS ARE APPROVED BY THE TRAFFIC SIGNAL SUPERVISOR. WHEN 764 PHASE SELECTORS ARE ADDED TO A CABINET WITHOUT A 768 AIP, THE CONTRACTOR SHALL INSTALL AND WIRE A NEW 768 AIP.	
23. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY.	
24. INTERCONNECT CABLE SHALL BE AS SHOWN IN THE WIRE SCHEDULE.	
25. THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS, STRIPING AND SIGNS AS IDENTIFIED ON THE PLANS.	
26. WHERE THE PLANS CALL FOR REMOVAL AND SALVAGE OF EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL CALL 702-229-6331 TO SPEAK TO A TRAFFIC FIELD SUPERVISOR TO ARRANGE FOR DELIVERY TIMES AND LOCATIONS.	
27. THE CONTRACTOR SHALL MAINTAIN EXISTING SIGNALS THROUGH THE LIFE OF THE PROJECT PER SECTION 623 G.03.01N OF THE CLV SPECIAL PROVISIONS.	
REVISED 01/11/2021	

ESTIMATED QUANTITIES			
SEWER			
DESCRIPTION	UNIT	QUANTITY	
		PUBLIC	PRIVATE
48" SANITARY SEWER MANHOLE	EA	—	21
8" PVC SS LINE	LF	—	8796
6" PVC SS LINE	LF	—	515
6" C900 PVC SS LINE	LF	—	41
4" PVC SS LINE	LF	—	1086
GREASE INTERCEPTOR	EA	—	3
BACKWATER VALVES	EA	—	9
CLEAN OUT	EA	—	9
WATER			
DESCRIPTION	UNIT	QUANTITY	
		PUBLIC	PRIVATE
8" OCTAVE METER W/ 10" RPDA	EA	2	—
1.5" WATER METER & RPPA (DOM.)	EA	6	—
1.5" WATER METER & RPPA (IRR.)	EA	1	—
FIRE HYDRANT ASSEMBLY	EA	—	14
12" PVC WATER LINE	LF	82	—
10" PVC WATER LINE	LF	—	4218
6" PVC WATER LINE	LF	56	1621
2" PVC WATER LINE	LF	—	507
1.0" PVC WATER LINE	LF	—	2444
ROADWAY			
DESCRIPTION	UNIT	QUANTITY	
		PUBLIC	PRIVATE
CURB & GUTTER (TYPE "L"&"A")	LF	155	13690
SIDEWALK 4"	SF	2058	52082
SIDEWALK RAMP	EA	6	—
SIDEWALK UNDERDRAIN	EA	3	6
8' CROSS GUTTER	SF	1930	—
3' VALLEY GUTTER	SF	—	7166
2.0" ASPHALTIC CONCRETE PAVING	SY	—	—
3.0" ASPHALTIC CONCRETE PAVING	SY	—	—
TYPE II GRAVEL BASE	CY	—	—
TRAFFIC			
DESCRIPTION	UNIT	QUANTITY	
		PUBLIC	PRIVATE
PULLBOX	EA	2	—
STREET/STOP SIGNS	EA	—	8
1-1/4" CONDUIT	LF	51	—
DRAINAGE			
DESCRIPTION	UNIT	QUANTITY	
		PUBLIC	PRIVATE
"U" GUTTER	LF	13	120
BMP: LOOSE RIP-RAP D50=3", THICKNESS =6"	CY	3	38
5'-TYPE "DM2" DROP INLET	EA	1	—
18" STORM DRAIN	LF	26	—
60" SD MANHOLE	EA	1	—
CONTRACTOR QUANTITIES NOTE:			
QUANTITIES SHOWN ARE APPROXIMATIONS BASED ON BOND ESTIMATE CALCULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CALCULATING THE EXACT QUANTITIES NECESSARY TO CONSTRUCT THE PROJECT BASED ON THE IMPROVEMENT PLANS PROVIDED FOR BID PURPOSES. CONTRACTOR SHALL NOTIFY THE CLIENT OR THE RESPONSIBLE PERSON IN CHARGE PRIOR TO SUBMITTAL OF BID FOR CLARIFICATION ON ANY POSSIBLE DISCREPANCIES WITHIN THE PROVIDED IMPROVEMENT PLANS. CHANGE ORDERS PLACED DURING CONSTRUCTION THAT WERE NOT SUBMITTED FOR CLARIFICATION AND WERE BASED SOLELY ON CONTRACTOR'S ASSUMPTION WILL NOT BE AWARDED, AND SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY TO CORRECT IN THE FIELD.			

DESIGNED BY: J.A. EV. DG. DRAWN BY: J.A. EV. DG. CHD BY: J.A. ON
JOB NUMBER: 2206002 DATE: Mar-22
NO. REVISION

L. R. NELSON CONSULTING ENGINEERS, LLC
STRUCTURAL 6765 West Russell Road, Suite 200 89118
CIVIL Las Vegas, Nevada
PLANNING (702) 798-7978
SURVEY (702) 451-2296 FAX

COVER SHEET

SHIRON DEVELOPMENT LLC

CITY OF LAS VEGAS

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT
PLANNING & ENGINEERING SERVICES

PROJECT No. XXXXX FIRST APPROVAL DATE: _____
LVVWD APPROVED FIRE FLOW: XXXX GPM AT 20 PSI RESIDUAL

CLAYTON LEE NEILSEN
EXP: 12/31/23
CIVIL
No. 14132
3/8/2022

SHEET NUMBER
C1.03
OF 42 SHEETS
CLV# LXX-XXXXX

APN: 125-21-813-002
CENTENNIAL CROSSROADS LLC
(NOT A PART)

LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION 8LV9021SES,
RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN
HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE
PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS),
LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING
COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON
ARE PROJECTED (GRID) VALUES BASED ON THE
PRECEDING PROJECTION DEFINITION.

2. GRID BEARING SHOWN HEREON (OR IMPLIED BY
GRID COORDINATES)
DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN
CONVERGENCE.

GRADING NOTES

- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF
ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN
THE FIELD.
- WORK UNDER THIS PLAN CONSTITUTES GRADING IN
ACCORDANCE WITH 2018 IBC; ENGINEERING REPORTS
AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL
BE FILED WITH THE CITY OF LAS VEGAS PRIOR TO
CITY OF LAS VEGAS APPROVAL AT FINAL INSPECTION.
- WALL DETAILS ARE FOR REFERENCE ONLY AND DO
NOT CONSTITUTE A STRUCTURAL DESIGN.
- CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE
BUILDING PERMIT AND APPROVAL BY THE BUILDING
DEPARTMENT.

FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY
(FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL
NUMBER 32003C1745E, EFFECTIVE DATE: SEPTEMBER 27, 2002,
THE SITE IS LOCATED WITHIN A ZONE "X". AREAS DETERMINED TO
BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT:
ANGLE ENGINEERING
DATED: JUNE 20, 2014
PROJECT NO. 45012-1

SUMMARY REPORT:
AZTECH MATERIALS TESTING
DATED: JULY 22, 2019
PROJECT NO. BLUX-001

UPDATE REPORT:
GEOTEK, INC.
DATED: JANUARY 14, 2022
PROJECT NO. 12312-LV

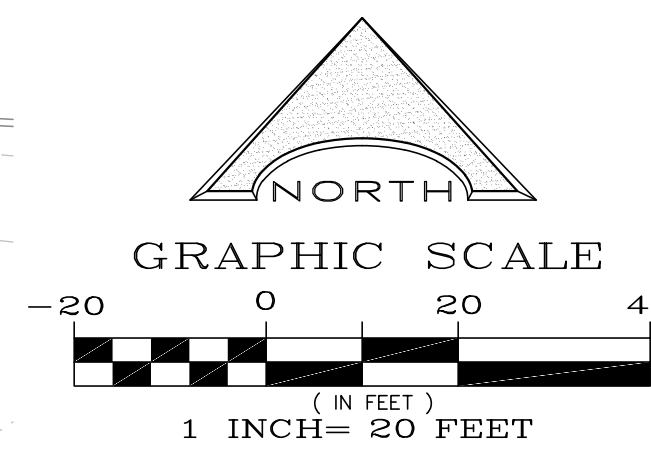
ESTIMATED EARTHWORK QUANTITIES

CUT: XX,XXX CY
FILL: XX,XXX CY
NET CUT: XX,XXX CY

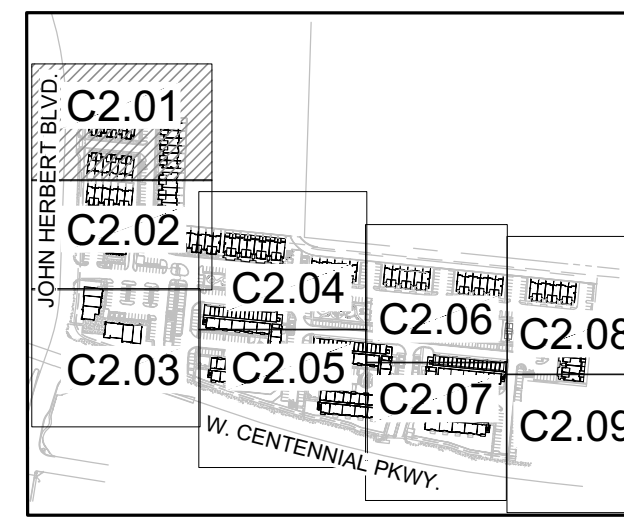
THESE QUANTITIES ARE FOR ESTIMATING PURPOSE ONLY. THE FILL FIGURE
INCLUDES A 15% AVERAGE SHRINKAGE FACTOR. OTHER CONSIDERATIONS SUCH
AS OVEREXCAVATION, CALICHE, BOULDERS, ETC. WILL LIKELY AFFECT THE
ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE
CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL
QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO
LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORK QUANTITIES.

LEGEND NOTE

SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.



KEY MAP



CONSTRUCTION NOTES

- CONSTRUCT "A" CURB PER CCAUSD #219.
- CONSTRUCT "L" CURB PER CCAUSD #216.
- CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
- CONSTRUCT "ZERO" CURB FACE.
- CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "L" CURB.
- CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "A" CURB.
- CONSTRUCT AC PAVEMENT PER CHART ON DETAIL 1/C6.05.
- CONSTRUCT 3' VALLEY GUTTER PER DETAIL 3/C6.05.
- CONSTRUCT U-GUTTER PER DETAIL 4/C6.05.
- CONSTRUCT 8' CROSS GUTTER PER CCAUSD #228.
- TRASH ENCLOSURE PER ARCHITECT PLANS.
- MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.
- CONSTRUCT MULTI-FAMILY/COMMERCIAL DRIVEWAY PER CCAUSD #222.1.
- REMOVE EX. CURB & GUTTER TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- EX. GATE, POST, AND/OR CHAINLINK FENCE (TO BE REMOVED)
- CONSTRUCT 6"-THICK MONOLITHIC CURB ADJACENT TO SIDEWALK. HEIGHT VARIES (0" - 6")
- CONSTRUCT HANDICAP S/W RAMP PER CCAUSD #235, CASE 1, A=8", B=8" UNLESS OTHERWISE NOTED.
- INSTALL CONCRETE WHEEL STOP PER ARCHITECT PLANS.
- EX. AD SIGN (TO BE REMOVED)
- CONSTRUCT SIDEWALK UNDER DRAIN PER CCAUSD #236.
- EX. RET. WALL, SCREEN WALL AND/OR CHAINLINK FENCE (TO REMAIN).
- CONSTRUCT "ZERO" CURB FACE AND TYPICAL ONSITE HANDICAP AREA PER DETAIL 7/C6.05.
- CONSTRUCT ONSITE HANDICAP SIDEWALK RAMP AT "ZERO" CURB FACE.
- TURN OUT "L" CURB AND GUTTER TO ENSURE POSITIVE DRAINAGE.
- REMOVE EX. CURB, GUTTER, SIDEWALK/RAMP, CHAINLINK FENCE/POST, CONCRETE VALLEY GUTTER AND CONCRETE SPANDREL TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- EX. ABOVE AND/OR BELOW GROUND ELECTRICAL FACILITIES TO BE REMOVED OR RELOCATED WITH THE CONSTRUCTION OF THIS PROJECT, DESIGNED BY OTHERS (SEE NV ENERGY PLANS)
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- EX. WATER FIRE HYDRANT (TO BE RELOCATED). REFER TO UTILITY PLANS.
- EX. STREET LIGHT/FIBER OPTIC AND/OR ASSOCIATED FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. TRANSFORMER/PAD FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. SERVICE PEDESTAL TO REMAIN (PROTECT-IN-PLACE).
- EX. UTILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. WATER FACILITIES (TO BE REMOVED). REFER TO UTILITY PLANS.
- EX. SEWER MANHOLE (TO BE RELOCATED). REFER TO UTILITY PLANS.

- EX. GATE (TO BE REMOVED) AND REPLACED WITH 6" CMU SCREEN WALL. SAWCUT CLEAN EX. ASPHALT PAVEMENT & CURB/GUTTER. PERMISSION FROM ADJACENT OWNER REQUIRED.
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- INSTALL ACCESS GATE AND/OR PED. GATE PER ARCHITECT PLANS.
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- INSTALL 5"-WIDE WROUGHT IRON FENCE OPENING PER DETAIL 10/C6.05.
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- CONSTRUCT LANDING, RAMP, STEPS AND/OR HANDRAILS PER ARCHITECT PLANS.
- CONSTRUCT SOLID-GROUTED DECORATIVE WALL (3) COURSES.

DRAINAGE STUDY

I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV# _____

CLAYTON LEE NEILSEN, PE #14132

DATE

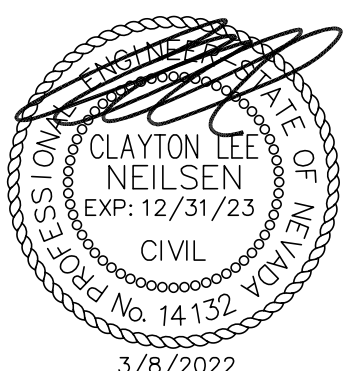
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SHIRON
DEVELOPMENT
LLC

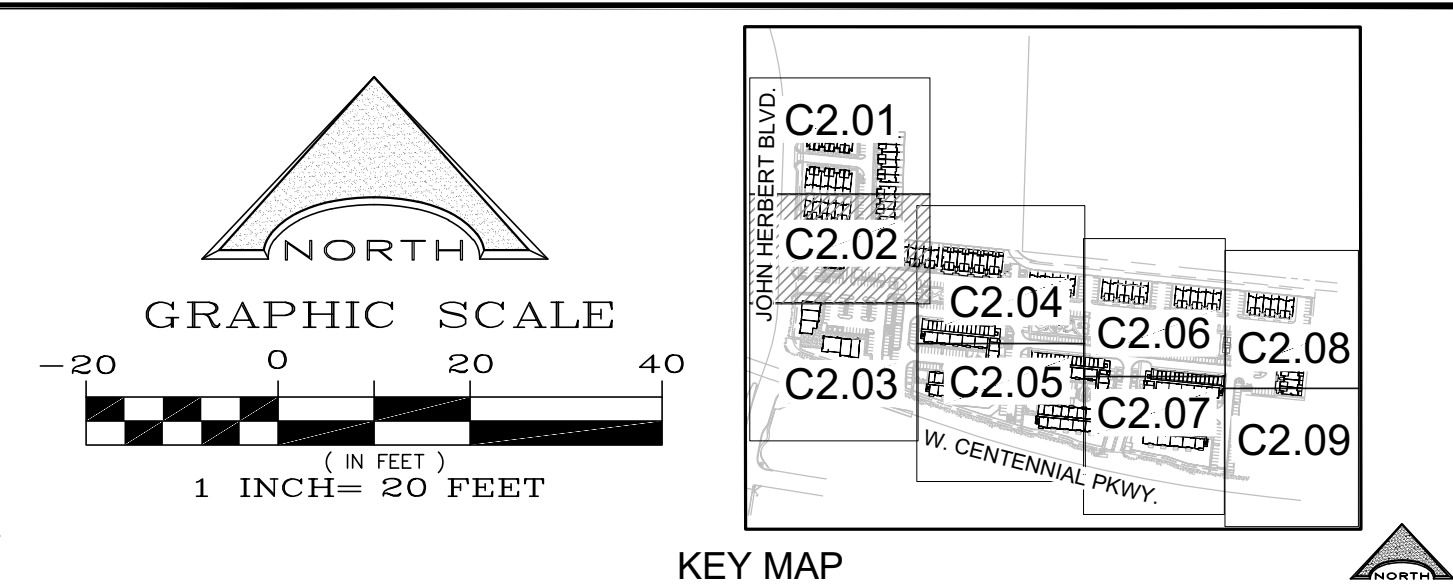
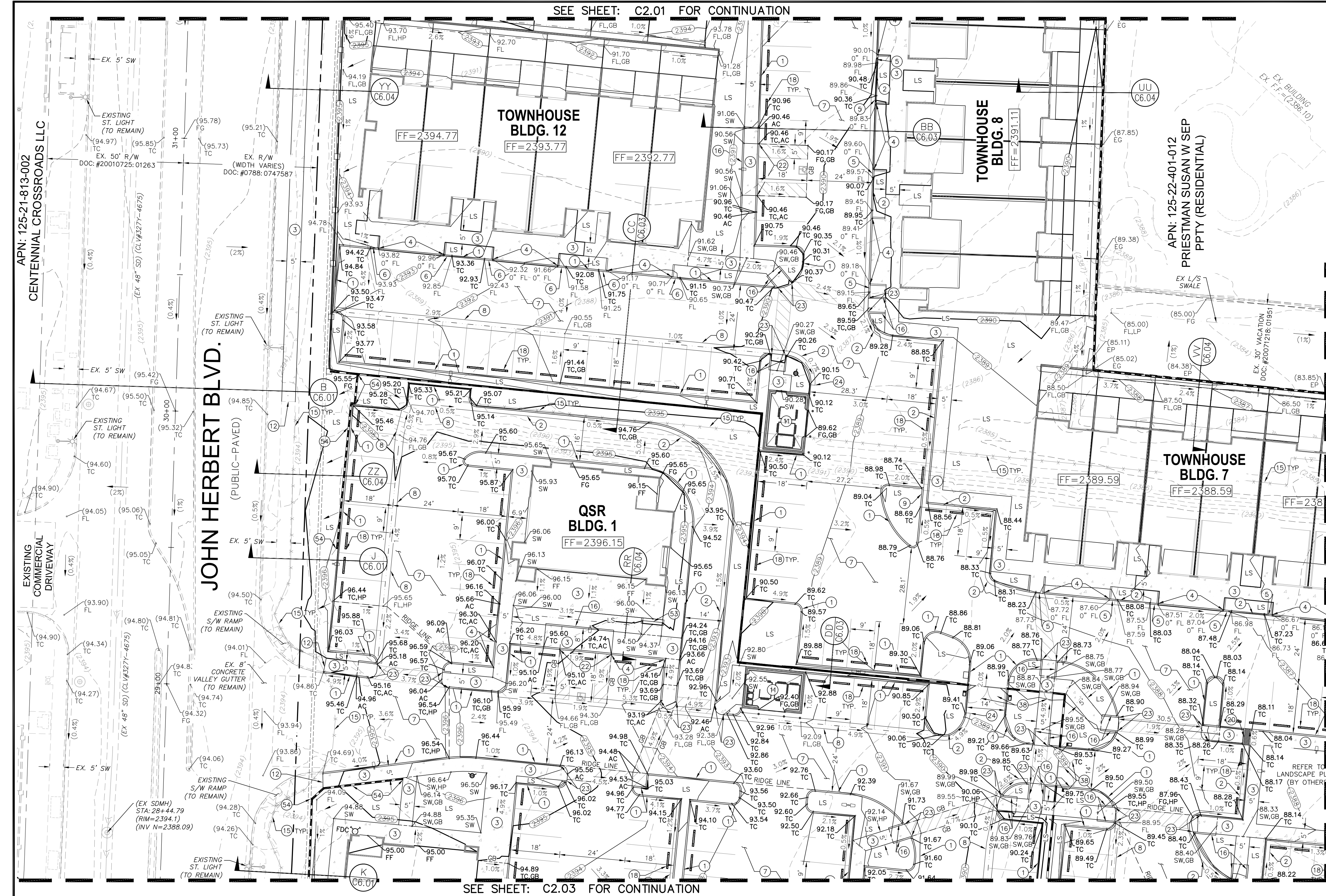
GRADING PLAN 1
VUE APARTMENTS AT
CENTENNIAL PHASE III
NEVADA
CITY OF LAS VEGAS



SHEET NUMBER
C2.01
OF 42 SHEETS
CLV# LXX-XXXXX

L. R. NELSON CONSULTING ENGINEERS, LLC
STRUCTURAL
CIVIL
PLANNING
SURVEY
6765 West Russell Road, Suite 200
Las Vegas, Nevada
(702) 798-7978
(702) 451-2296 FAX

DESIGNED BY: JA, EV, DG	DRAWN BY: JA, EV, DG	CHKD BY: JA, CN
JOB NUMBER: 2206002	DATE: Mar-22	
REVISION	DATE	APPL
NO.		



- CONSTRUCTION NOTES**
- CONSTRUCT "A" CURB PER CCAUSD #219.
 - CONSTRUCT "L" CURB PER CCAUSD #216.
 - CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
 - CONSTRUCT "ZERO" CURB FACE.
 - CONSTRUCT 3" TRANSITION FROM "ZERO" CURB TO "L" CURB.
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 - CONSTRUCT AC PAVEMENT PER CHART ON DETAIL 1/C6.05.
 - CONSTRUCT 3" VALLEY GUTTER PER DETAIL 3/C6.05.
 - CONSTRUCT U-GUTTER PER DETAIL 4/C6.05.
 - CONSTRUCT 8" CROSS GUTTER PER CCAUSD #228.
 - TRASH ENCLOSURE PER ARCHITECT PLANS.
 - MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.
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- DRAINAGE STUDY**
- I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV# _____

LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION 6LV90215ES, RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)
EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:

- ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
- GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

GRADING NOTES

- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- WORK UNDER THIS PLAN CONSTITUTES GRADING IN ACCORDANCE WITH 2018 IBC; ENGINEERING REPORTS AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL BE FILED WITH THE CITY OF LAS VEGAS PRIOR TO CITY OF LAS VEGAS APPROVAL AT FINAL INSPECTION.
- WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.
- CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.

FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL NUMBER 32003C1745E, EFFECTIVE DATE SEPTEMBER 27, 2002, THE SITE IS LOCATED WITHIN A "ZONE X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT:
ANGLE ENGINEERING
DATED: JUNE 20, 2014
PROJECT NO. 45012-1

UPDATE REPORT:
GEOTEK, INC.
DATED: JANUARY 14, 2022
PROJECT NO. 12312-LV

SUMMARY REPORT:
AZTECH MATERIALS TESTING
DATED: JULY 22, 2019
PROJECT NO. BLUX-001

ESTIMATED EARTHWORk QUANTITIES

CUT: XX,XXX CY
FILL: XX,XXX CY
NET CUT: XX,XXX CY

THESE QUANTITIES ARE FOR ESTIMATING PURPOSE ONLY. THE FILL FIGURE INCLUDES A 15% AVERAGE SHRINKAGE FACTOR. OTHER CONSIDERATIONS SUCH AS OVEREXCAVATION, CALICHE, BOULDERS, ETC. WILL LIKELY AFFECT THE ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORk QUANTITIES.

LEGEND NOTE

SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.

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FAST
Call before you Dig
Underground.
1-800-642-2444
1-702-227-2929

DESIGNED BY: J.A. EV. DG. DRAWN BY: J.A. EV. DG. CHKD BY: J.A. EV. DG.
JOB NUMBER: 2206002 DATE: Mar-22
REVISION NO. DATE

L. R. NELSON CONSULTING ENGINEERS, LLC
STRUCTURAL CIVIL PLANNING SURVEY
6765 West Russell Road, Suite 200
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(702) 798-7978
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SHIRON DEVELOPMENT LLC

VUE APARTMENTS AT CENTENNIAL PHASE III
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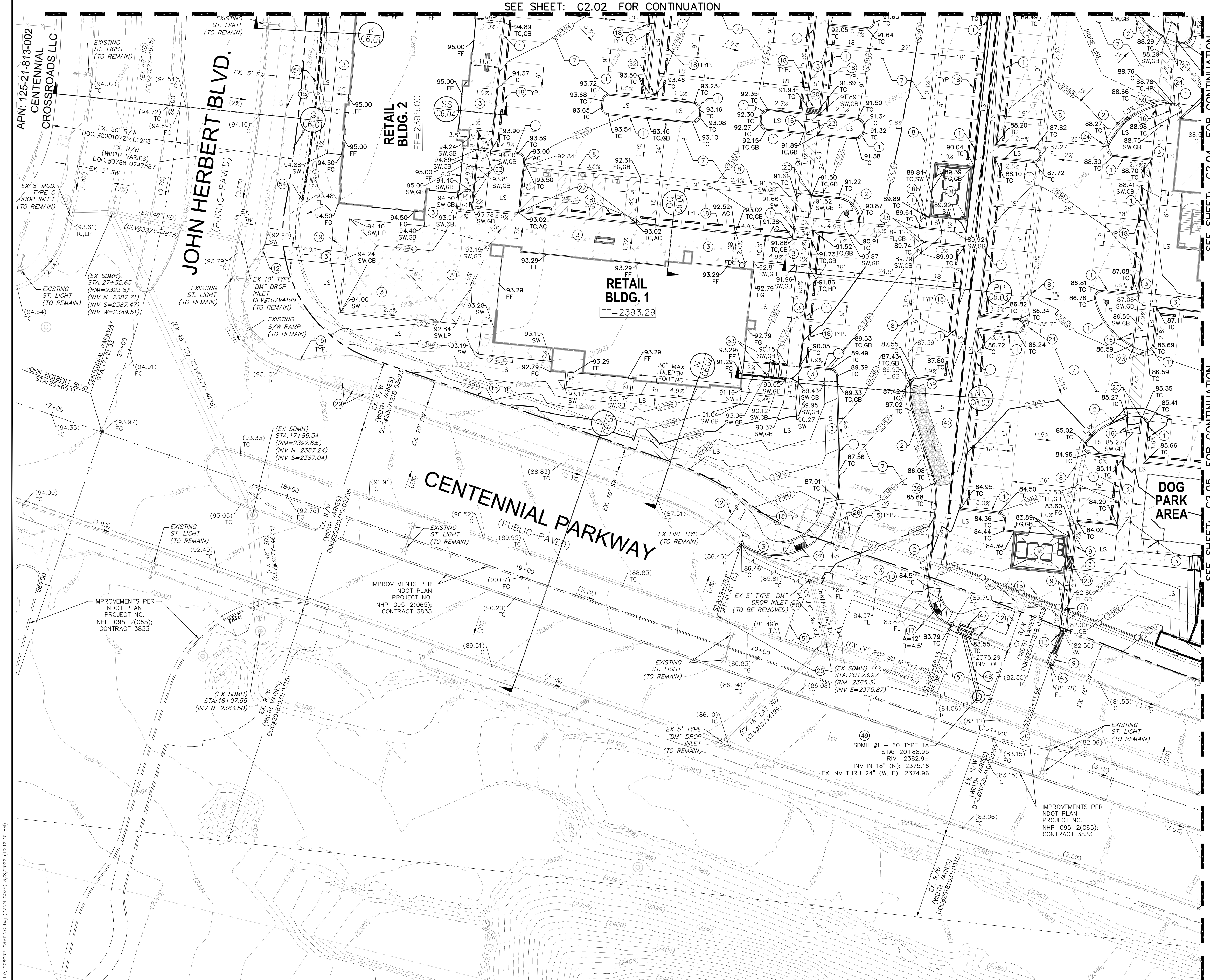
GRADING PLAN 2

C2.02
OF 42 SHEETS
CLV# LXX-XXXXX

3/8/2022

CLAYTON LEE NEILSEN
PE #14132
CIVIL
EXP: 12/31/23

\\nasd\projects\2206002 - Centennial Apartments\DWG\2206002-GRADING.dwg (DRAWN: 03/03) 3/8/2022 (10:12:10 AM)



LEGAL DESCRIPTION
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AZTECH MATERIALS TESTING
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FILL: XX,XXX CY
NET CUT: XX,XXX CY

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LEGEND NOTE
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I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV# _____

CLAYTON LEE NEILSEN, PE #14132 DATE _____

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FAST
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Underground
1-702-432-5300

GRAPHIC SCALE
1 INCH = 20 FEET

KEY MAP

CONSTRUCTION NOTES

1. CONSTRUCT "A" CURB PER CCAUSD #219.

2. CONSTRUCT "L" CURB PER CCAUSD #216.

3. CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.

4. CONSTRUCT "ZERO" CURB FACE.

5. CONSTRUCT 3" TRANSITION FROM "ZERO" CURB TO "L" CURB.

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12. MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.

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24. TURN OUT "L" CURB AND GUTTER TO ENSURE POSITIVE DRAINAGE.

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40. INSTALL BMP: LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 8/C6.05.

41. INSTALL 5"-WIDE WROUGHT IRON FENCE OPENING PER DETAIL 10/C6.05.

42. LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 9/C6.05.

43. REMOVE EX. CURB TO PROVIDE A 2' WIDE OPENING TO MATCH EXISTING GUTTER FLOWLINE.

44. CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.

45. CONSTRUCT 2' VALLEY GUTTER PER DETAIL 5/C6.05.

46. REMOVE EX. CURB & GUTTER. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.

47. CONSTRUCT 5"-TYPE "DM2" DROP INLET PER CCAUSD #412.1. (DEPTH = 8.3").

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49. CONSTRUCT 60" TYPE 1A SDMH PER CCAUSD #404. (CAST-IN-PLACE)

50. REMOVE EX. 18" SD LATERAL PIPE AND PLUG WITH CONCRETE MORTAR 5' FROM EX. SDMH.

51. SAWCUT AND MATCH EXISTING AC PAVEMENT. REPLACEMENT PER CCAUSD #500.3, #500.5 & #503. MATCH AT LANE LINE WHERE POSSIBLE.

52. CONSTRUCT U-GUTTER PER DETAIL 6/C6.05.

53. CONSTRUCT LANDING, RAMP, STEPS AND/OR HANDRAILS PER ARCHITECT PLANS.

54. CONSTRUCT SOLID-GRouted DECORATIVE WALL (3) COURSES.

DESIGNED BY: J.A. EV. DG. DRAWN BY: J.A. EV. DG. CHKD BY: J.A. EV. DG. DATE: Mar-22

JOB NUMBER: 2206002 REVISION NO. _____

L. R. NELSON CONSULTING ENGINEERS, LLC
STRUCTURAL CIVIL PLANNING SURVEY
6765 West Russell Road, Suite 200
Las Vegas, Nevada 89118
(702) 798-7978
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SHIRON DEVELOPMENT LLC

VUE APARTMENTS AT CENTENNIAL PHASE III

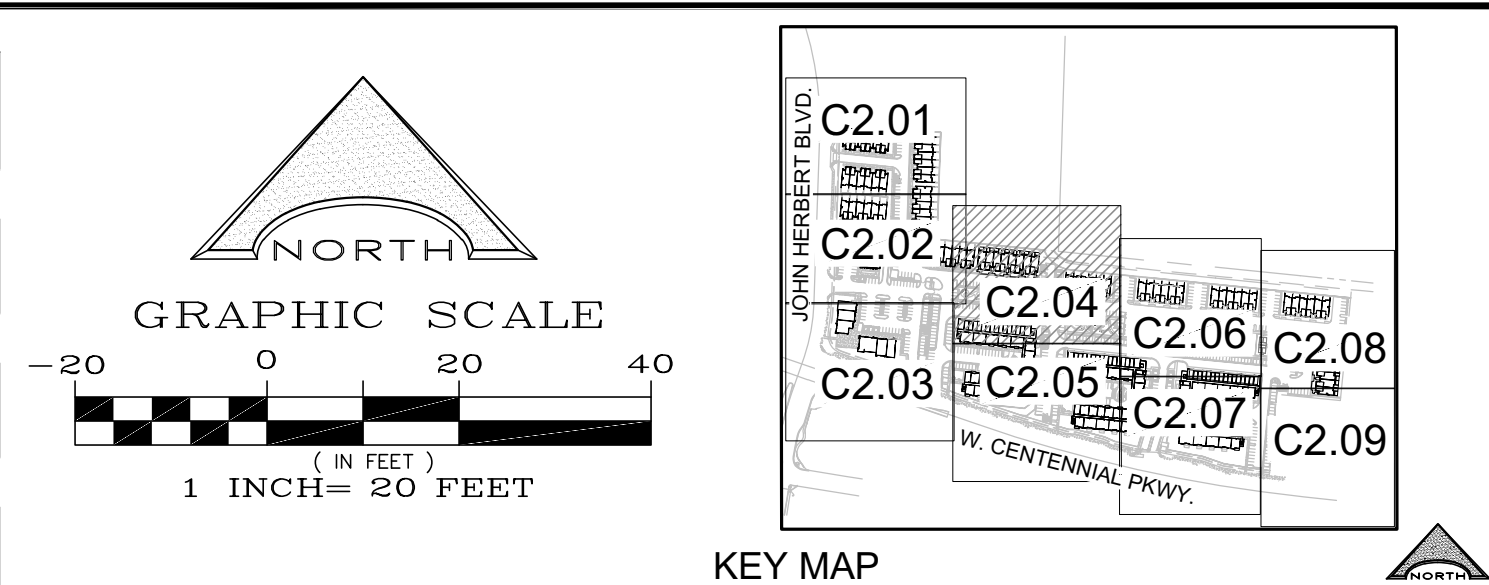
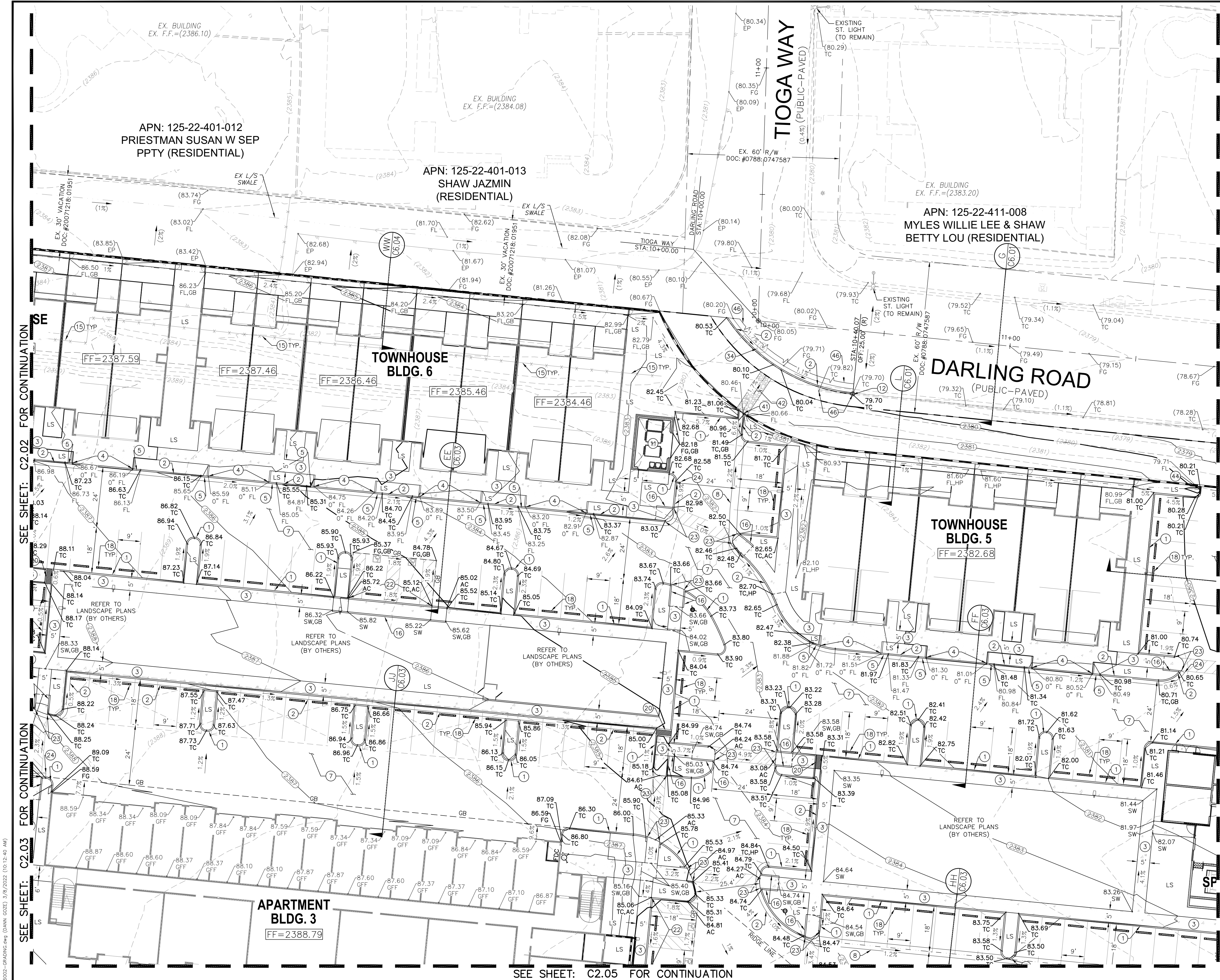
GRADING PLAN 3

NEVADA CITY OF LAS VEGAS

CLAYTON LEE NEILSEN, PE #14132
EXP: 12/31/23
CIVIL

3/8/2022

SHEET NUMBER
C2.03
OF 42 SHEETS
CLV# LXX-XXXXX



- CONSTRUCTION NOTES**
- CONSTRUCT "A" CURB PER CCAUSD #219.
 - CONSTRUCT "L" CURB PER CCAUSD #216.
 - CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
 - CONSTRUCT "ZERO" CURB FACE.
 - CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "L" CURB.
 - CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "A" CURB.
 - CONSTRUCT AC PAVEMENT PER CHART ON DETAIL 1/C6.05.
 - CONSTRUCT 3' VALLEY GUTTER PER DETAIL 3/C6.05.
 - CONSTRUCT U-GUTTER PER DETAIL 4/C6.05.
 - CONSTRUCT 8' CROSS GUTTER PER CCAUSD #228.
 - TRASH ENCLOSURE PER ARCHITECT PLANS.
 - MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.
 - CONSTRUCT MULTI-FAMILY/COMMERCIAL DRIVEWAY PER CCAUSD #222.1.
 - REMOVE EX. CURB & GUTTER TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
 - EX. GATE, POST, AND/OR CHAINLINK FENCE (TO BE REMOVED).
 - CONSTRUCT 6"-THICK MONOLITHIC CURB ADJACENT TO SIDEWALK. HEIGHT VARIES (0" - 6").
 - CONSTRUCT HANDICAP S/W RAMP PER CCAUSD #235, CASE 1, A=8", B=8" UNLESS OTHERWISE NOTED.
 - INSTALL CONCRETE WHEEL STOP PER ARCHITECT PLANS.
 - EX. AD SIGN (TO BE REMOVED).
 - CONSTRUCT SIDEWALK UNDER DRAIN PER CCAUSD #236.
 - EX. RET. WALL, SCREEN WALL AND/OR CHAINLINK FENCE (TO REMAIN).
 - CONSTRUCT "ZERO" CURB FACE AND TYPICAL ONSITE HANDICAP AREA PER DETAIL 7/C6.05.
 - CONSTRUCT ONSITE HANDICAP SIDEWALK RAMP AT "ZERO" CURB FACE.
 - TURN OUT "L" CURB AND GUTTER TO ENSURE POSITIVE DRAINAGE.
 - REMOVE EX. CURB, GUTTER, SIDEWALK/RAMP, CHAINLINK FENCE/POST, CONCRETE VALLEY GUTTER AND CONCRETE SPANDREL TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
 - EX. ABOVE AND/OR BELOW GROUND ELECTRICAL FACILITIES TO BE REMOVED OR RELOCATED WITH THE CONSTRUCTION OF THIS PROJECT, DESIGNED BY OTHERS (SEE NV ENERGY PLANS).
 - EX. CABLE/TV FACILITIES TO BE RELOCATED, DESIGNED BY OTHERS (SEE COX DESIGN PLANS).
 - EX. WATER FIRE HYDRANT (TO BE RELOCATED). REFER TO UTILITY PLANS.
 - EX. STREET LIGHT/FIBER OPTIC AND/OR ASSOCIATED FACILITIES TO REMAIN (PROTECT-IN-PLACE).
 - EX. TRANSFORMER/PAD FACILITIES TO REMAIN (PROTECT-IN-PLACE).
 - EX. SERVICE PEDESTAL TO REMAIN (PROTECT-IN-PLACE).
 - EX. UTILITIES TO REMAIN (PROTECT-IN-PLACE).
 - EX. WATER FACILITIES (TO BE REMOVED). REFER TO UTILITY PLANS.
 - EX. SEWER MANHOLE (TO BE RELOCATED). REFER TO UTILITY PLANS.
- DRAINAGE STUDY**
- I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV# _____

LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION 6LV90215ES, RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS). LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR
STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N
LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W
NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)
EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)
SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:

- ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
- GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

GRADING NOTES

- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- WORK UNDER THIS PLAN CONSTITUTES GRADING IN ACCORDANCE WITH 2018 IBC, ENGINEERING REPORTS AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL BE FILED WITH THE CITY OF LAS VEGAS PRIOR TO CITY OF LAS VEGAS APPROVAL AT FINAL INSPECTION.
- WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.
- CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.

FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL NUMBER 32003C1745E, EFFECTIVE DATE, SEPTEMBER 27, 2002, THE SITE IS LOCATED WITHIN A "ZONE X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT:
ANGLE ENGINEERING
DATED: JUNE 20, 2014
PROJECT NO. 45012-1

UPDATE REPORT:
GEOTEK, INC.
DATED: JANUARY 14, 2022
PROJECT NO. 12312-LV

SUMMARY REPORT:
AZTECH MATERIALS TESTING
DATED: JULY 22, 2019
PROJECT NO. BLUX-001

ESTIMATED EARTHWORK QUANTITIES

CUT: XX,XXX CY
FILL: XX,XXX CY
NET CUT: XX,XXX CY

THESE QUANTITIES ARE FOR ESTIMATING PURPOSE ONLY. THE FILL FIGURE INCLUDES A 15% AVERAGE SHRINKAGE FACTOR. OTHER CONSIDERATIONS SUCH AS OVEREXCAVATION, CALICHE, BOULDER, ETC. WILL LIKELY AFFECT THE ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORK QUANTITIES.

LEGEND NOTE

SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

CLAYTON LEE NEILSEN, PE #14132 DATE

FAST

Call before you Dig
Avoid cutting underground utilities
Call 1-800-642-2444

Call before you Dig
Avoid cutting underground utilities
Call 1-702-227-2929

Call before you Dig
UnderGround
1-702-432-5300

SHIRON DEVELOPMENT LLC

VUE APARTMENTS AT CENTENNIAL PHASE III

GRADING PLAN 4

CITY OF LAS VEGAS

DESIGNED BY: J.A. EV. DG. DRAWN BY: J.A. EV. DG. CHKD BY: J.A. EV. DG.
JOB NUMBER: 2206002 DATE: Mar-22
REVISION NO. DATE

L. R. NELSON CONSULTING ENGINEERS, LLC

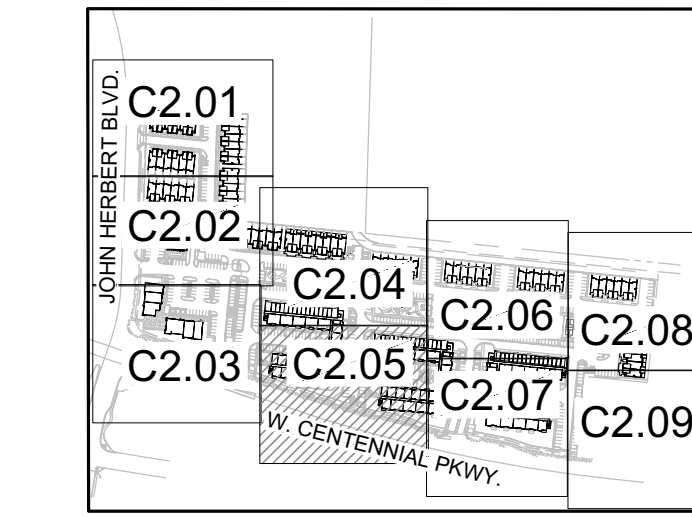
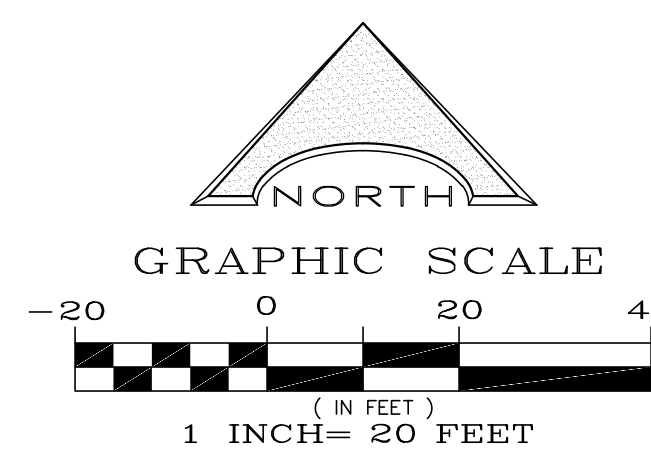
STRUCTURAL CIVIL PLANNING SURVEY
6765 West Russell Road, Suite 200
Las Vegas, Nevada 89118
(702) 798-7978
(702) 451-2296 FAX

CLAYTON LEE NEILSEN
PE #14132
CIVIL
EXP: 12/31/23

3/8/2022

C2.04
OF 42 SHEETS
CLV# LXX-XXXXX

SEE SHEET: C2.04 FOR CONTINUATION



KEY MAP

CONSTRUCTION NOTES

- CONSTRUCT "A" CURB PER CCAUSD #219.
- CONSTRUCT "L" CURB PER CCAUSD #216.
- CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
- CONSTRUCT "ZERO" CURB FACE.
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- EX. WATER FIRE HYDRANT (TO BE RELOCATED). REFER TO UTILITY PLANS.
- EX. STREET LIGHT/FIBER OPTIC AND/OR ASSOCIATED FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. TRANSFORMER/PAD FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. SERVICE PEDESTAL TO REMAIN (PROTECT-IN-PLACE).
- EX. UTILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. WATER FACILITIES (TO BE REMOVED). REFER TO UTILITY PLANS.
- EX. SEWER MANHOLE (TO BE RELOCATED). REFER TO UTILITY PLANS.
- EX. GATE (TO BE REMOVED) AND REPLACED WITH 6" CMU SCREEN WALL. SAWCUT CLEAN EX. ASPHALT PAVEMENT & CURB/GUTTER. PERMISSION FROM ADJACENT OWNER REQUIRED.
- EX. GATE (TO BE REMOVED) AND REPLACED WITH 6" WROUGHT IRON FENCE. PERMISSION FROM ADJACENT OWNER REQUIRED.
- EX. ASPHALT PAVEMENT, CURB & GUTTER (TO BE REMOVED).
- INSTALL ACCESS GATE AND/OR PED. GATE PER ARCHITECT PLANS.
- CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
- INSTALL BMP: LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 8/C6.05.
- INSTALL 5"-WIDE WROUGHT IRON FENCE OPENING PER DETAIL 10/C6.05.
- LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 9/C6.05.
- REMOVE EX. CURB TO PROVIDE A 2' WIDE OPENING TO MATCH EXISTING GUTTER FLOWLINE.
- CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
- CONSTRUCT 2' VALLEY GUTTER PER DETAIL 5/C6.05.
- REMOVE EX. CURB & GUTTER. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- CONSTRUCT 5"-TYPE "DM2" DROP INLET PER CCAUSD #412.1. (DEPTH = 8.3')
- INSTALL 25.7 LF OF 18" RCP (CLASS III) STORM DRAIN @ S=0.50%. REFER TO DETAIL 11/C6.05 FOR SD PLAN & PROFILE.
- CONSTRUCT 60" TYPE 1A SDMH PER CCAUSD #404. (CAST-IN-PLACE)
- REMOVE EX. 18" SD LATERAL PIPE AND PLUG WITH CONCRETE MORTAR 5' FROM EX. SDMH.
- SAWOUT AND MATCH EXISTING AC PAVEMENT. REPLACEMENT PER CCAUSD #500.3, #500.5 & #503. MATCH AT LANE LINE WHERE POSSIBLE.
- CONSTRUCT U-GUTTER PER DETAIL 6/C6.05.
- CONSTRUCT LANDING, RAMP, STEPS AND/OR HANDRAILS PER ARCHITECT PLANS.
- CONSTRUCT SOLID-GROUTED DECORATIVE WALL (3) COURSES.

DRAINAGE STUDY

I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV# _____

CLAYTON LEE NEILSEN, PE #14132

DATE

DISCLAIMER NOTE

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DESIGNED BY: J.A. EV. DG	DRAWN BY: J.A. EV. DG	CHKD BY: J.A. EV. DG
JOB NUMBER: 2206002	DATE: Mar-22	REVISION
NO.	DATE	APPL

L. R. NELSON CONSULTING ENGINEERS, LLC	6765 West Russell Road, Suite 200 Las Vegas, Nevada	89118
STRUCTURAL	CIVIL	PLANNING
		SURVEY

SHIRON DEVELOPMENT LLC

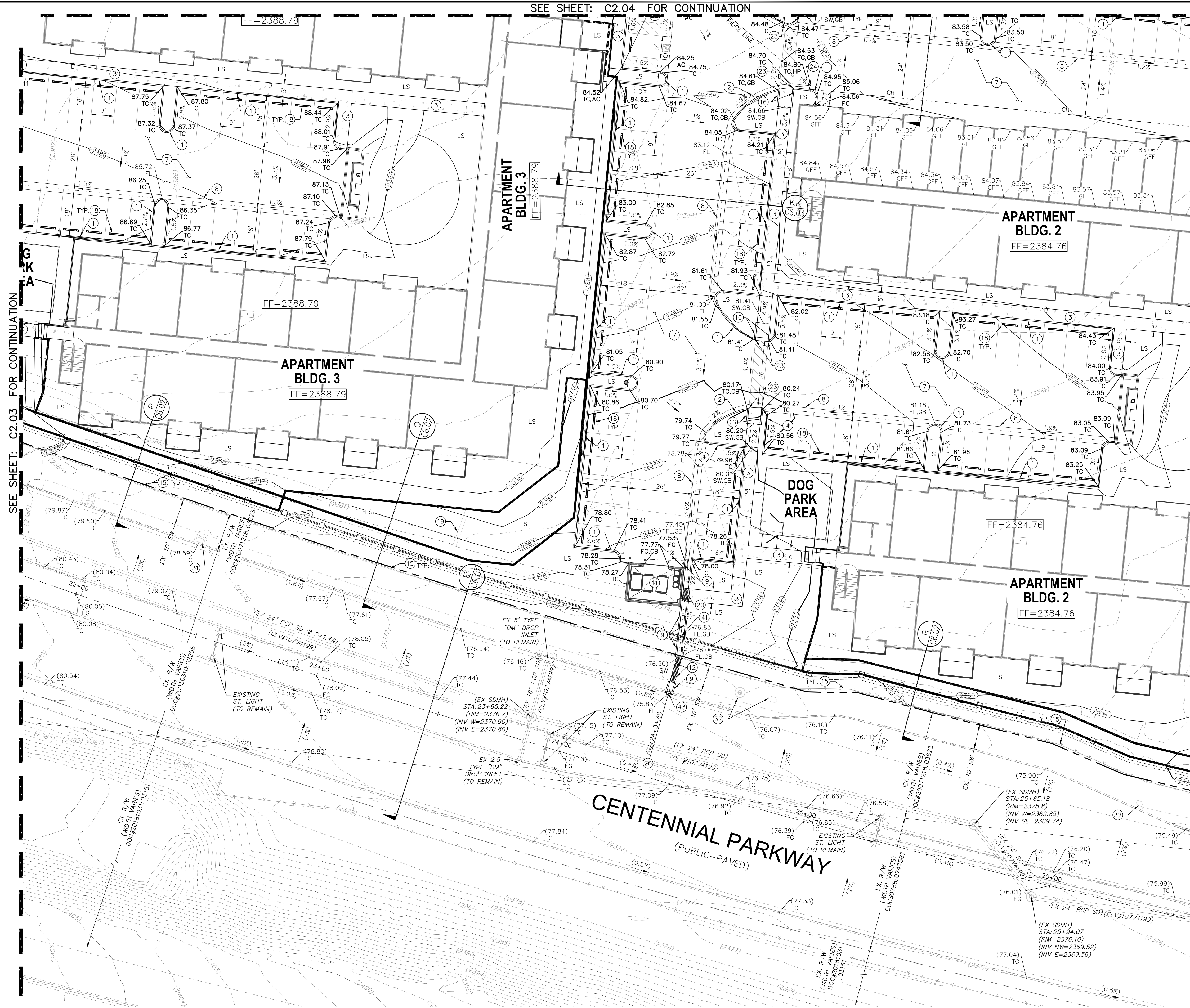
VUE APARTMENTS AT CENTENNIAL PHASE III

GRADING PLAN 5

CITY OF LAS VEGAS NEVADA

CLAYTON LEE NEILSEN
EXP: 12/31/23
CIVIL
3/8/2022

SHEET NUMBER
C2.05
OF 42 SHEETS
CLV# LXX-XXXXX



LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION 6LV902125ES, RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.

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GRADING NOTES

- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- WORK UNDER THIS PLAN CONSTITUTES GRADING IN ACCORDANCE WITH 2018 IBC, ENGINEERING REPORTS AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL BE FILED WITH THE CITY OF LAS VEGAS PRIOR TO CITY OF LAS VEGAS APPROVAL AT FINAL INSPECTION. WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.
- CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.

FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL NUMBER 3200301745E, EFFECTIVE DATE, SEPTEMBER 27, 2002, THE SITE IS LOCATED WITHIN A ZONE "X" AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT: ANGLE ENGINEERING
DATED: JUNE 20, 2014
PROJECT NO. 45012-1

UPDATE REPORT: GEOTEK, INC.
DATED: JANUARY 14, 2022
PROJECT NO. 12312-LV

SUMMARY REPORT: AZTECH MATERIALS TESTING
DATED: JULY 22, 2019
PROJECT NO. BLUX-001

ESTIMATED EARTHWORK QUANTITIES

CUT: XX,XXX CY
FILL: XX,XXX CY
NET CUT: XX,XXX CY

THESE QUANTITIES ARE FOR ESTIMATING PURPOSE ONLY. THE FILL FIGURE INCLUDES A 15% AVERAGE SHRINKAGE FACTOR. OTHER CONSIDERATIONS SUCH AS OVERGRAVATION, CALICHE, BOLLERS, ETC. WILL LIKELY AFFECT THE ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORK QUANTITIES.

LEGEND NOTE

SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.

\\n\land\Project\2206002 - Centennial Apartments (DWG)\Sheets\2206002-GRADING.dwg (DWG: 02/22) 3/8/2022 (10:14:42 AM)

LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION
BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL STATION 6LV902125S,
RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN
HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE
PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS),
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COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

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FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY
(FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL
NUMBER 32003C1745E, EFFECTIVE DATE, SEPTEMBER 27, 2002,
THE SITE IS LOCATED WITHIN A ZONE "X" AREAS DETERMINED TO
BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT:
ANGLE ENGINEERING
DATED: JUNE 20, 2014
PROJECT NO. 45012-1

UPDATE REPORT:
GETOTEK, INC.
DATED: JANUARY 14, 2022
PROJECT NO. 12312-LV

SUMMARY REPORT:
AZTECH MATERIALS TESTING
DATED: JULY 22, 2019
PROJECT NO. BLUX-001

ESTIMATED EARTHWORK QUANTITIES

CUT: XX,XXX CY

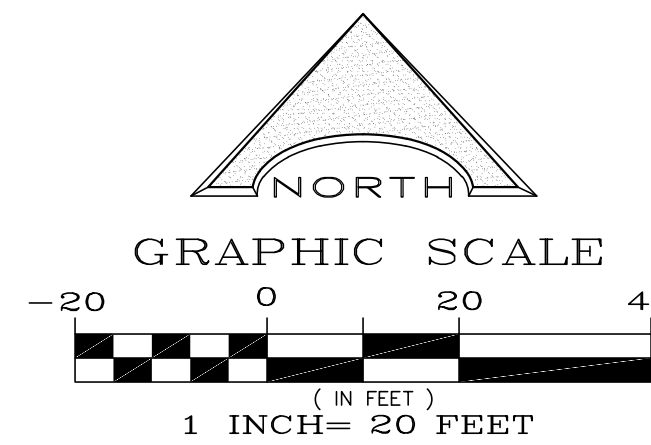
FILL: XX,XXX CY

NET CUT: XX,XXX CY

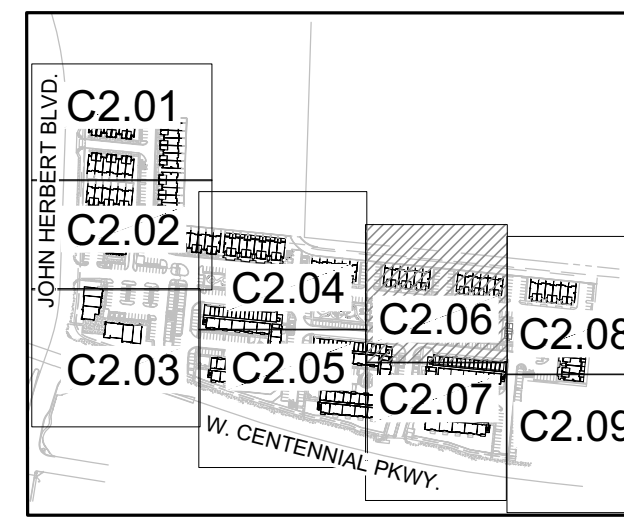
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LEGEND NOTE

SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.



KEY MAP



CONSTRUCTION NOTES

- CONSTRUCT "A" CURB PER CCAUSD #219.
- CONSTRUCT "L" CURB PER CCAUSD #216.
- CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
- CONSTRUCT "ZERO" CURB FACE.
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- CONSTRUCT AC PAVEMENT PER CHART ON DETAIL 1/C6.05.
- CONSTRUCT 3" VALLEY GUTTER PER DETAIL 3/C6.05.
- CONSTRUCT U-GUTTER PER DETAIL 4/C6.05.
- CONSTRUCT 8" CROSS GUTTER PER CCAUSD #228.
- TRASH ENCLOSURE PER ARCHITECT PLANS.
- MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.
- CONSTRUCT MULTI-FAMILY/COMMERCIAL DRIVEWAY PER CCAUSD #222.1.
- REMOVE EX. CURB & GUTTER TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- EX. GATE, POST, AND/OR CHAINLINK FENCE (TO BE REMOVED).
- CONSTRUCT 6"-THICK MONOLITHIC CURB ADJACENT TO SIDEWALK. HEIGHT VARIES (0" - 6").
- CONSTRUCT HANDICAP S/W RAMP PER CCAUSD #235.1, A=8", B=8" UNLESS OTHERWISE NOTED.
- INSTALL CONCRETE WHEEL STOP PER ARCHITECT PLANS.
- EX. AD SIGN (TO BE REMOVED).
- CONSTRUCT SIDEWALK UNDER DRAIN PER CCAUSD #236.
- EX. RET. WALL, SCREEN WALL AND/OR CHAINLINK FENCE (TO REMAIN).
- CONSTRUCT "ZERO" CURB FACE AND TYPICAL ONSITE HANDICAP AREA PER DETAIL 7/C6.05.
- CONSTRUCT ONSITE HANDICAP SIDEWALK RAMP AT "ZERO" CURB FACE.
- TURN OUT "L" CURB AND GUTTER TO ENSURE POSITIVE DRAINAGE.
- REMOVE EX. CURB, GUTTER, SIDEWALK/ RAMP, CHAINLINK FENCE/POST, CONCRETE VALLEY GUTTER AND CONCRETE SPANDREL TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- EX. ABOVE AND/OR BELOW GROUND ELECTRICAL FACILITIES TO BE REMOVED OR RELOCATED WITH THE CONSTRUCTION OF THIS PROJECT, DESIGNED BY OTHERS (SEE NV ENERGY PLANS).
- EX. CABLE/TV FACILITIES TO BE RELOCATED, DESIGNED BY OTHERS (SEE COX DESIGN PLANS).
- EX. WATER FIRE HYDRANT (TO BE RELOCATED). REFER TO UTILITY PLANS.
- EX. STREET LIGHT/FIBER OPTIC AND/OR ASSOCIATED FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. TRANSFORMER/PAD FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. SERVICE PEDESTAL TO REMAIN (PROTECT-IN-PLACE).
- EX. UTILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. WATER FACILITIES (TO BE REMOVED). REFER TO UTILITY PLANS.
- EX. SEWER MANHOLE (TO BE RELOCATED). REFER TO UTILITY PLANS.

- EX. GATE (TO BE REMOVED) AND REPLACED WITH 6" CMU SCREEN WALL. SAWCUT CLEAN EX. ASPHALT PAVEMENT & CURB/GUTTER. PERMISSION FROM ADJACENT OWNER REQUIRED.
- EX. GATE (TO BE REMOVED) AND REPLACED WITH 6" WROUGHT IRON FENCE. PERMISSION FROM ADJACENT OWNER REQUIRED.
- EX. ASPHALT PAVEMENT, CURB & GUTTER (TO BE REMOVED).
- INSTALL ACCESS GATE AND/OR PED. GATE PER ARCHITECT PLANS.
- CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
- INSTALL BMP: LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 8/C6.05.
- INSTALL 5"-WIDE WROUGHT IRON FENCE OPENING PER DETAIL 10/C6.05.
- LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 9/C6.05.
- REMOVE EX. CURB TO PROVIDE A 2' WIDE OPENING TO MATCH EXISTING GUTTER FLOWLINE.
- CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
- CONSTRUCT 2' VALLEY GUTTER PER DETAIL 5/C6.05.
- REMOVE EX. CURB & GUTTER. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- CONSTRUCT 5"-TYPE "DM2" DROP INLET PER CCAUSD #412.1. (DEPTH = 8.3")
- INSTALL 25.7 LF OF 18" RCP (CLASS III) STORM DRAIN @ S=0.50%. REFER TO DETAIL 11/C6.05 FOR SD PLAN & PROFILE.
- CONSTRUCT 60" TYPE 1A SDMH PER CCAUSD #404. (CAST-IN-PLACE)
- REMOVE EX. 18" SD LATERAL PIPE AND PLUG WITH CONCRETE MORTAR 5' FROM EX. SDMH.
- SAMWUT AND MATCH EXISTING AC PAVEMENT. REPLACEMENT PER CCAUSD #500.3, #500.5 & #503. MATCH AT LANE LINE WHERE POSSIBLE.
- CONSTRUCT U-GUTTER PER DETAIL 6/C6.05.
- CONSTRUCT LANDING, RAMP, STEPS AND/OR HANDRAILS PER ARCHITECT PLANS.
- CONSTRUCT SOLID-GROUTED DECORATIVE WALL (3) COURSES.

DRAINAGE STUDY

I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY
FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV# _____

CLAYTON LEE NEILSEN, PE #14132

DATE

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL
LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO
COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES
ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT
SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



SHIRON
DEVELOPMENT
LLC

GRADING PLAN 6
VUE APARTMENTS AT
CENTENNIAL PHASE III

CITY OF LAS VEGAS
NEVADA

CLAYTON LEE NEILSEN
EXP: 12/31/23
CIVIL
3/8/2022
SHEET NUMBER
C2.06
OF 42 SHEETS
CLV# LXX-XXXXX

DESIGNED BY: J.A. EV. DG. DRAWN BY: J.A. EV. DG. CHKD BY: J.A. EV. DG.
JOB NUMBER: 2206002 DATE: Mar-22
REVISION
NO.
L. R. NELSON CONSULTING ENGINEERS, LLC
STRUCTURAL
CIVIL
PLANNING
SURVEY
6765 West Russell Road, Suite 200
Las Vegas, Nevada 89118
(702) 798-7978
(702) 451-2296 FAX

\\nasd\Project\2206002 - Centennial Apartments\DWG\Grading\Grading.dwg (EMUD - MLARSEA) 3/9/2022 (11:24:33 AM)

LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION
BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION 6LV9021SES,
RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN
HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE
PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS).
LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING
COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:
1. ALL DISTANCES AND BEARINGS SHOWN HEREON
ARE PROJECTED (GRID) VALUES BASED ON THE
PRECEDING PROJECTION DEFINITION.
2. GRID BEARING SHOWN HEREON (OR IMPLIED BY
GRID COORDINATES)
DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN
CONVERGENCE.

GRADING NOTES

1. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF
ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN
THE FIELD.
2. WORK UNDER THIS PLAN CONSTITUTES GRADING IN
ACCORDANCE WITH 2018 IBC; ENGINEERING REPORTS
AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL
BE FILED WITH THE CITY OF LAS VEGAS PRIOR TO
CITY OF LAS VEGAS APPROVAL AT FINAL INSPECTION.
3. WALL DETAILS ARE FOR REFERENCE ONLY AND DO
NOT CONSTITUTE A STRUCTURAL DESIGN.
4. CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE
BUILDING PERMIT AND APPROVAL BY THE BUILDING
DEPARTMENT.

FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY
(FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL
NUMBER 32003C1745E, EFFECTIVE DATE SEPTEMBER 27, 2002,
THE SITE IS LOCATED WITHIN A ZONE "X". AREAS DETERMINED TO
BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT:
ANGLE ENGINEERING
DATED: JUNE 20, 2014
PROJECT NO. 45012-1

UPDATE REPORT:
GEOTEK, INC.
DATED: JANUARY 14, 2022
PROJECT NO. 12312-LV

SUMMARY REPORT:
AZTECH MATERIALS TESTING
DATED: JULY 22, 2019
PROJECT NO. BLUX-001

ESTIMATED EARTHWORK QUANTITIES

CUT: XX,XXX CY
FILL: XX,XXX CY
NET CUT: XX,XXX CY

THESE QUANTITIES ARE FOR ESTIMATING PURPOSE ONLY. THE FILL FIGURE
INCLUDES A 15% AVERAGE SHRINKAGE FACTOR. OTHER CONSIDERATIONS SUCH
AS OVEREXCAVATION, CALICHE, BOULDERS, ETC. WILL LIKELY AFFECT THE
ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE
CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL
QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO
LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORK QUANTITIES.

LEGEND NOTE

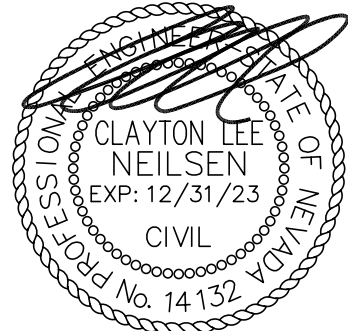
SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.

CLAYTON LEE NEILSEN, PE #14132

DATE

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL
LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO
COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES
ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT
SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



SHEET NUMBER

C2.07

OF 42 SHEETS
CLV# LXX-XXXXX

GRADING PLAN 7

VUE APARTMENTS AT
CENTENNIAL PHASE III

CITY OF LAS VEGAS NEVADA

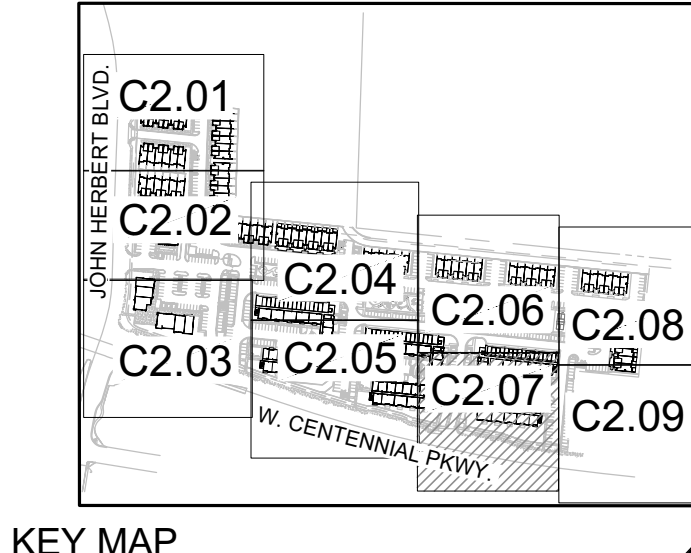
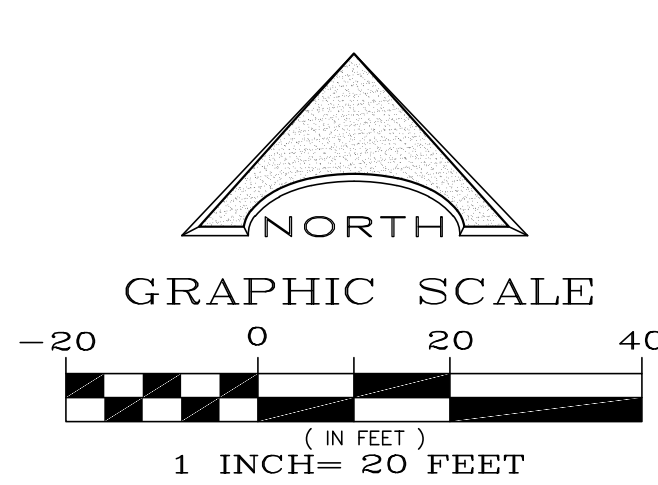
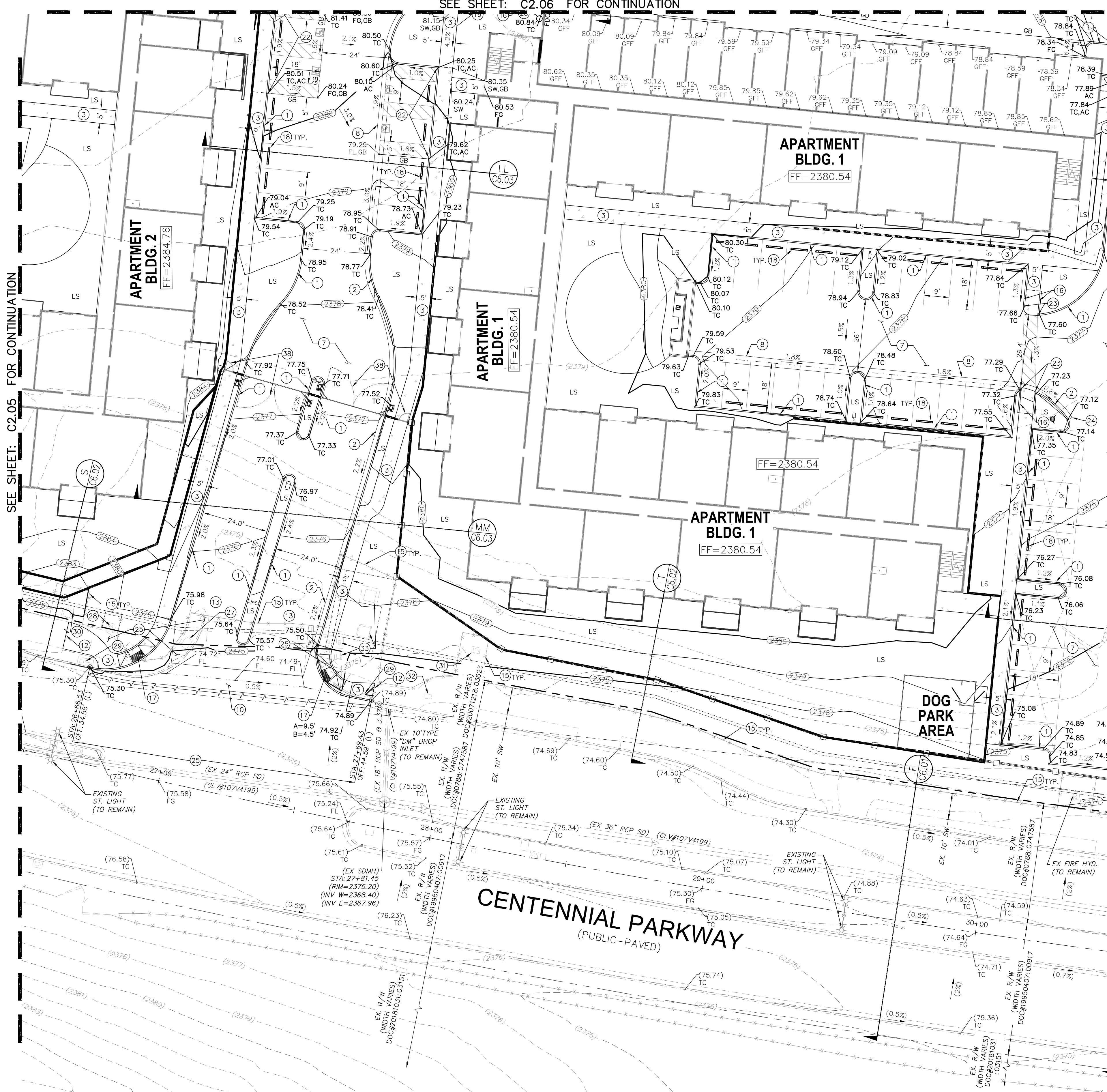
SHIRON
DEVELOPMENT
LLC

L. R. NELSON CONSULTING ENGINEERS, LLC
STRUCTURAL 6765 West Russell Road, Suite 200
CIVIL Las Vegas, Nevada 89118
PLANNING (702) 796-7978
SURVEY (702) 451-2296 FAX

DESIGNED BY: J.A. EV. DG	DRAWN BY: J.A. EV. DG	CHKD BY: J.A. CN
JOB NUMBER: 2206002	DATE: Mar-22	
REVISION	NO.	DATE APPL

SEE SHEET: C2.05 FOR CONTINUATION

SEE SHEET: C2.09 FOR CONTINUATION



CONSTRUCTION NOTES

1. CONSTRUCT "A" CURB PER CCAUSD #219.
2. CONSTRUCT "L" CURB PER CCAUSD #216.
3. CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
4. CONSTRUCT "ZERO" CURB FACE.
5. CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "L" CURB.
6. CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "A" CURB.
7. CONSTRUCT AC PAVEMENT PER CHART ON DETAIL 1/C6.05.
8. CONSTRUCT 3' VALLEY GUTTER PER DETAIL 3/C6.05.
9. CONSTRUCT U-GUTTER PER DETAIL 4/C6.05.
10. CONSTRUCT 8" CROSS GUTTER PER CCAUSD #228.
11. TRASH ENCLOSURE PER ARCHITECT PLANS.
12. MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.
13. CONSTRUCT MULTI-FAMILY/COMMERCIAL DRIVEWAY PER CCAUSD #222.1.
14. REMOVE EX. CURB & GUTTER TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
15. EX. GATE, POST, AND/OR CHAINLINK FENCE (TO BE REMOVED).
16. CONSTRUCT 6"-THICK MONOLITHIC CURB ADJACENT TO SIDEWALK. HEIGHT VARIES (0' - 6').
17. CONSTRUCT HANDICAP S/W RAMP PER CCAUSD #235. CASE I, A=8', B=8' UNLESS OTHERWISE NOTED.
18. INSTALL CONCRETE WHEEL STOP PER ARCHITECT PLANS.
19. EX. AD SIGN (TO BE REMOVED).
20. CONSTRUCT SIDEWALK UNDER DRAIN PER CCAUSD #236.
21. EX. RET. WALL, SCREEN WALL AND/OR CHAINLINK FENCE (TO REMAIN).
22. CONSTRUCT "ZERO" CURB FACE AND TYPICAL ONSITE HANDICAP AREA PER DETAIL 7/C6.05.
23. CONSTRUCT ONSITE HANDICAP SIDEWALK RAMP AT "ZERO" CURB FACE.
24. TURN OUT "L" CURB AND GUTTER TO ENSURE POSITIVE DRAINAGE.
25. REMOVE EX. CURB, GUTTER, SIDEWALK/ RAMP, CHAINLINK FENCE/POST, CONCRETE VALLEY GUTTER AND CONCRETE SPANDREL TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
26. EX. ABOVE AND/OR BELOW GROUND ELECTRICAL FACILITIES TO BE REMOVED OR RELOCATED WITH THE CONSTRUCTION OF THIS PROJECT, DESIGNED BY OTHERS (SEE NV ENERGY PLANS).
27. EX. CABLE/TV FACILITIES TO BE RELOCATED, DESIGNED BY OTHERS (SEE COX DESIGN PLANS).
28. EX. WATER FIRE HYDRANT (TO BE RELOCATED). REFER TO UTILITY PLANS.
29. EX. STREET LIGHT/FIBER OPTIC AND/OR ASSOCIATED FACILITIES TO REMAIN (PROTECT-IN-PLACE).
30. EX. TRANSFORMER/PAD FACILITIES TO REMAIN (PROTECT-IN-PLACE).
31. EX. SERVICE PEDESTAL TO REMAIN (PROTECT-IN-PLACE).
32. EX. UTILITIES TO REMAIN (PROTECT-IN-PLACE).
33. EX. WATER FACILITIES (TO BE REMOVED). REFER TO UTILITY PLANS.
34. EX. SEWER MANHOLE (TO BE RELOCATED). REFER TO UTILITY PLANS.
35. EX. GATE (TO BE REMOVED) AND REPLACED WITH 6' CMU SCREEN WALL. SAWCUT CLEAN EX. ASPHALT PAVEMENT & CURB/GUTTER. PERMISSION FROM ADJACENT OWNER REQUIRED.
36. EX. GATE (TO BE REMOVED) AND REPLACED WITH 6' WROUGHT IRON FENCE. PERMISSION FROM ADJACENT OWNER REQUIRED.
37. EX. ASPHALT PAVEMENT, CURB & GUTTER (TO BE REMOVED).
38. INSTALL ACCESS GATE AND/OR PED. GATE PER ARCHITECT PLANS.
39. CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
40. INSTALL BMP: LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 8/C6.05.
41. INSTALL 5'-WIDE WROUGHT IRON FENCE OPENING PER DETAIL 10/C6.05.
42. LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 9/C6.05.
43. REMOVE EX. CURB TO PROVIDE A 2' WIDE OPENING TO MATCH EXISTING GUTTER FLOWLINE.
44. CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
45. CONSTRUCT 2' VALLEY GUTTER PER DETAIL 5/C6.05.
46. REMOVE EX. CURB & GUTTER. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
47. CONSTRUCT 5'-TYPE "DM2" DROP INLET PER CCAUSD #412.1. (DEPTH = 8.3')
48. INSTALL 25.7 LF OF 18" RCP (CLASS III) STORM DRAIN @ S=0.50%. REFER TO DETAIL 11/C6.05 FOR SD PLAN & PROFILE.
49. CONSTRUCT 60" TYPE 1A SDMH PER CCAUSD #404. (CAST-IN-PLACE)
50. REMOVE EX. 18" SD LATERAL PIPE AND EX. SDMH.
51. SAWCUT AND MATCH EXISTING AC PAVEMENT. REPLACEMENT PER CCAUSD #500.3, #500.5 & #503. MATCH AT LANE LINE WHERE POSSIBLE.
52. CONSTRUCT U-GUTTER PER DETAIL 6/C6.05.
53. CONSTRUCT LANDING, RAMP, STEPS AND/OR HANDRAILS PER ARCHITECT PLANS.
54. CONSTRUCT SOLID-GROUTED DECORATIVE WALL (3) COURSES.

DRAINAGE STUDY

I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY
FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV#

\\nasd\Projects\2206002 - Centennial Apartments III\DWG\Grading\Grading.dwg (DWG: 02/23) 3/8/2022 (10:14:40 AM)

SEE SHEET: C2.06 FOR CONTINUATION

SEE SHEET: C2.09 FOR CONTINUATION

LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION 6LV90215ES, RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT CENTRAL MERIDIAN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.

2. GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

GRADING NOTES

1. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.

2. WORK UNDER THIS PLAN CONSTITUTES GRADING IN ACCORDANCE WITH 2018 IBC, ENGINEERING REPORTS AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL BE FILED WITH THE CITY OF LAS VEGAS PRIOR TO CITY OF LAS VEGAS APPROVAL AT FINAL INSPECTION.

3. WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.

4. CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.

FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL NUMBER 32003C1745E, EFFECTIVE DATE: SEPTEMBER 27, 2002, THE SITE IS LOCATED WITHIN A ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT: ANGLE ENGINEERING

DATED: JUNE 20, 2014

PROJECT NO. 45012-1

SUMMARY REPORT: AZTECH MATERIALS TESTING

DATED: JULY 22, 2019

PROJECT NO. BLUX-001

UPDATE REPORT: GEOTEK, INC.

DATED: JANUARY 14, 2022

PROJECT NO. 12312-LV

ESTIMATED EARTHWORK QUANTITIES

CUT: XX,XXX CY

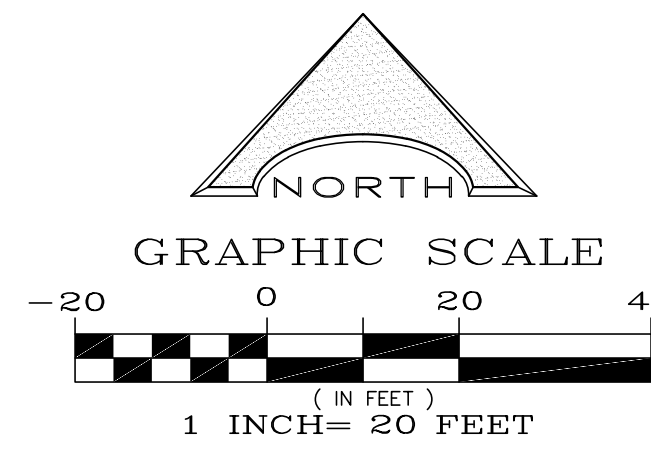
FILL: XX,XXX CY

NET CUT: XX,XXX CY

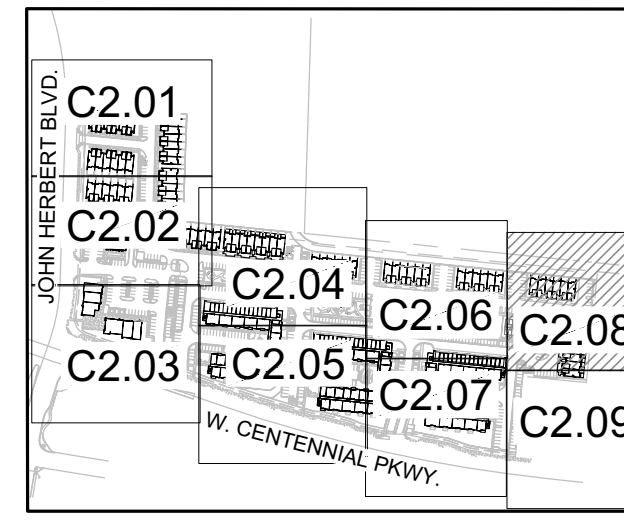
THESE QUANTITIES ARE FOR ESTIMATING PURPOSE ONLY. THE FILL FIGURE INCLUDES A 15% AVERAGE SHRINKAGE FACTOR. OTHER CONSIDERATIONS SUCH AS OVEREXCAVATION, CALICHE, BOULDERS, ETC. WILL LIKELY AFFECT THE ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORK QUANTITIES.

LEGEND NOTE

SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.



KEY MAP



CONSTRUCTION NOTES

- CONSTRUCT "A" CURB PER CCAUSD #219.
- CONSTRUCT "L" CURB PER CCAUSD #216.
- CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
- CONSTRUCT "ZERO" CURB FACE.
- CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "L" CURB.
- CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "A" CURB.
- CONSTRUCT AC PAVEMENT PER CHART ON DETAIL 1/C6.05.
- CONSTRUCT 3' VALLEY GUTTER PER DETAIL 3/C6.05.
- CONSTRUCT U-GUTTER PER DETAIL 4/C6.05.
- CONSTRUCT 8' CROSS GUTTER PER CCAUSD #228.
- TRASH ENCLOSURE PER ARCHITECT PLANS.
- MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.
- CONSTRUCT MULTI-FAMILY/COMMERCIAL DRIVEWAY PER CCAUSD #222.1.
- REMOVE EX. CURB & GUTTER TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- EX. GATE, POST, AND/OR CHAINLINK FENCE (TO BE REMOVED).
- CONSTRUCT 6"-THICK MONOLITHIC CURB ADJACENT TO SIDEWALK. HEIGHT VARIES (0" - 6").
- CONSTRUCT HANDICAP S/W RAMP PER CCAUSD #235. CASE 1, A=8', B=8' UNLESS OTHERWISE NOTED.
- INSTALL CONCRETE WHEEL STOP PER ARCHITECT PLANS.
- EX. AD SIGN (TO BE REMOVED).
- CONSTRUCT SIDEWALK UNDER DRAIN PER CCAUSD #236.
- EX. RET. WALL, SCREEN WALL AND/OR CHAINLINK FENCE (TO REMAIN).
- CONSTRUCT "ZERO" CURB FACE AND TYPICAL ONSITE HANDICAP AREA PER DETAIL 7/C6.05.
- CONSTRUCT ONSITE HANDICAP SIDEWALK RAMP AT "ZERO" CURB FACE.
- TURN OUT "L" CURB AND GUTTER TO ENSURE POSITIVE DRAINAGE.
- REMOVE EX. CURB, GUTTER, SIDEWALK/RAMP, CHAINLINK FENCE/POST, CONCRETE VALLEY GUTTER AND CONCRETE SPANDREL TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- EX. ABOVE AND/OR BELOW GROUND ELECTRICAL FACILITIES TO BE REMOVED OR RELOCATED WITH THE CONSTRUCTION OF THIS PROJECT, DESIGNED BY OTHERS (SEE NV ENERGY PLANS).
- EX. CABLE/TV FACILITIES TO BE RELOCATED, DESIGNED BY OTHERS (SEE COX DESIGN PLANS).
- EX. WATER FIRE HYDRANT (TO BE RELOCATED). REFER TO UTILITY PLANS.
- EX. STREET LIGHT/FIBER OPTIC AND/OR ASSOCIATED FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. TRANSFORMER/PAD FACILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. SERVICE PEDESTAL TO REMAIN (PROTECT-IN-PLACE).
- EX. UTILITIES TO REMAIN (PROTECT-IN-PLACE).
- EX. WATER FACILITIES (TO BE REMOVED). REFER TO UTILITY PLANS.
- EX. SEWER MANHOLE (TO BE RELOCATED). REFER TO UTILITY PLANS.

- EX. GATE (TO BE REMOVED) AND REPLACED WITH 6" CMU SCREEN WALL. SAWCUT CLEAN EX. ASPHALT PAVEMENT & CURB/GUTTER. PERMISSION FROM ADJACENT OWNER REQUIRED.
- EX. GATE (TO BE REMOVED) AND REPLACED WITH 6" WROUGHT IRON FENCE. PERMISSION FROM ADJACENT OWNER REQUIRED.
- EX. ASPHALT PAVEMENT, CURB & GUTTER (TO BE REMOVED).
- INSTALL ACCESS GATE AND/OR PED. GATE PER ARCHITECT PLANS.
- CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
- INSTALL BMP: LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 8/C6.05.
- INSTALL 5"-WIDE WROUGHT IRON FENCE OPENING PER DETAIL 10/C6.05.
- LOOSE RIP-RAP D50=3", THICKNESS=6" PER DETAIL 9/C6.05.
- REMOVE EX. CURB TO PROVIDE A 2' WIDE OPENING TO MATCH EXISTING GUTTER FLOWLINE.
- CONSTRUCT CURB OPENING PER DETAIL 2/C6.05.
- CONSTRUCT 2' VALLEY GUTTER PER DETAIL 5/C6.05.
- REMOVE EX. CURB & GUTTER. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
- CONSTRUCT 5"-TYPE "DM2" DROP INLET PER CCAUSD #412.1. (DEPTH = 8.3')
- INSTALL 25.7 LF OF 18" RCP (CLASS III) STORM DRAIN @ S=0.50%. REFER TO DETAIL 11/C6.05 FOR SD PLAN & PROFILE.
- CONSTRUCT 60" TYPE 1A SDMH PER CCAUSD #404. (CAST-IN-PLACE).
- REMOVE EX. 18" SD LATERAL PIPE AND PLUG WITH CONCRETE MORTAR 5' FROM EX. SDMH.
- SAWOUT AND MATCH EXISTING AC PAVEMENT. REPLACEMENT PER CCAUSD #500.3, #500.5 & #503. MATCH AT LANE LINE WHERE POSSIBLE.
- CONSTRUCT U-GUTTER PER DETAIL 6/C6.05.
- CONSTRUCT LANDING, RAMP, STEPS AND/OR HANDRAILS PER ARCHITECT PLANS.
- CONSTRUCT SOLID-GROUTED DECORATIVE WALL (3) COURSES.

DRAINAGE STUDY

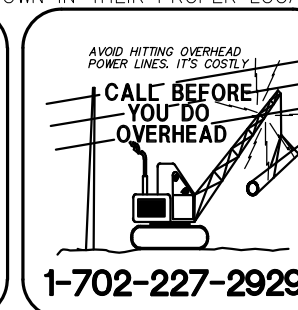
I CERTIFY THAT THIS GRADING CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS, CLV# _____

CLAYTON LEE NEILSEN, PE #14132

DATE

DISCLAIMER NOTE

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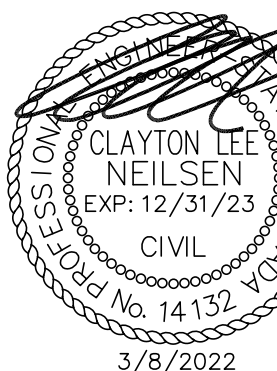


SHIRON
DEVELOPMENT
LLC

VUE APARTMENTS AT
CENTENNIAL PHASE III

L. R. NELSON CONSULTING ENGINEERS, LLC
STRUCTURAL
CIVIL
PLANNING
SURVEY
6765 West Russell Road, Suite 200
Las Vegas, Nevada 89118
(702) 798-7978
(702) 451-2296 FAX

DESIGNED BY: J.A. EV. DG. DRAWN BY: J.A. EV. DG. CHKD BY: J.A. EV. DG.
JOB NUMBER: 2206002 DATE: Mar-22
REVISION
NO.
DATE
REVISION

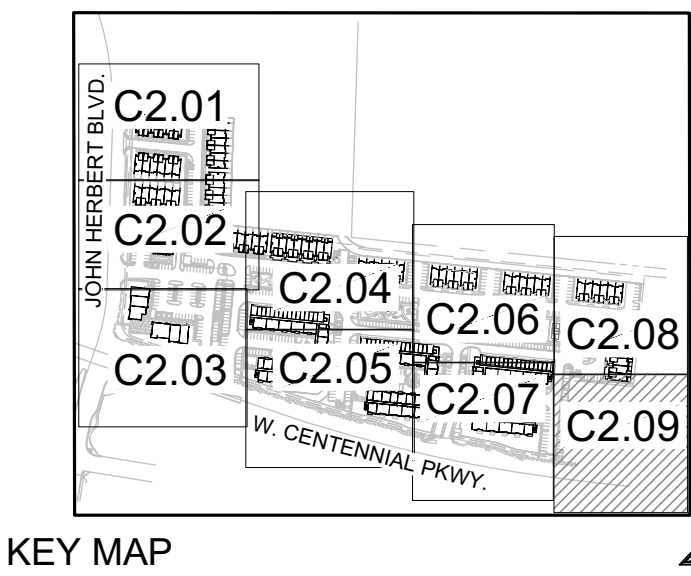
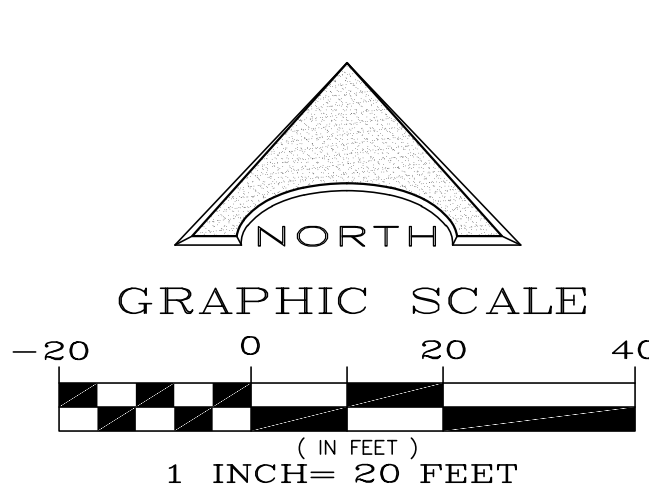
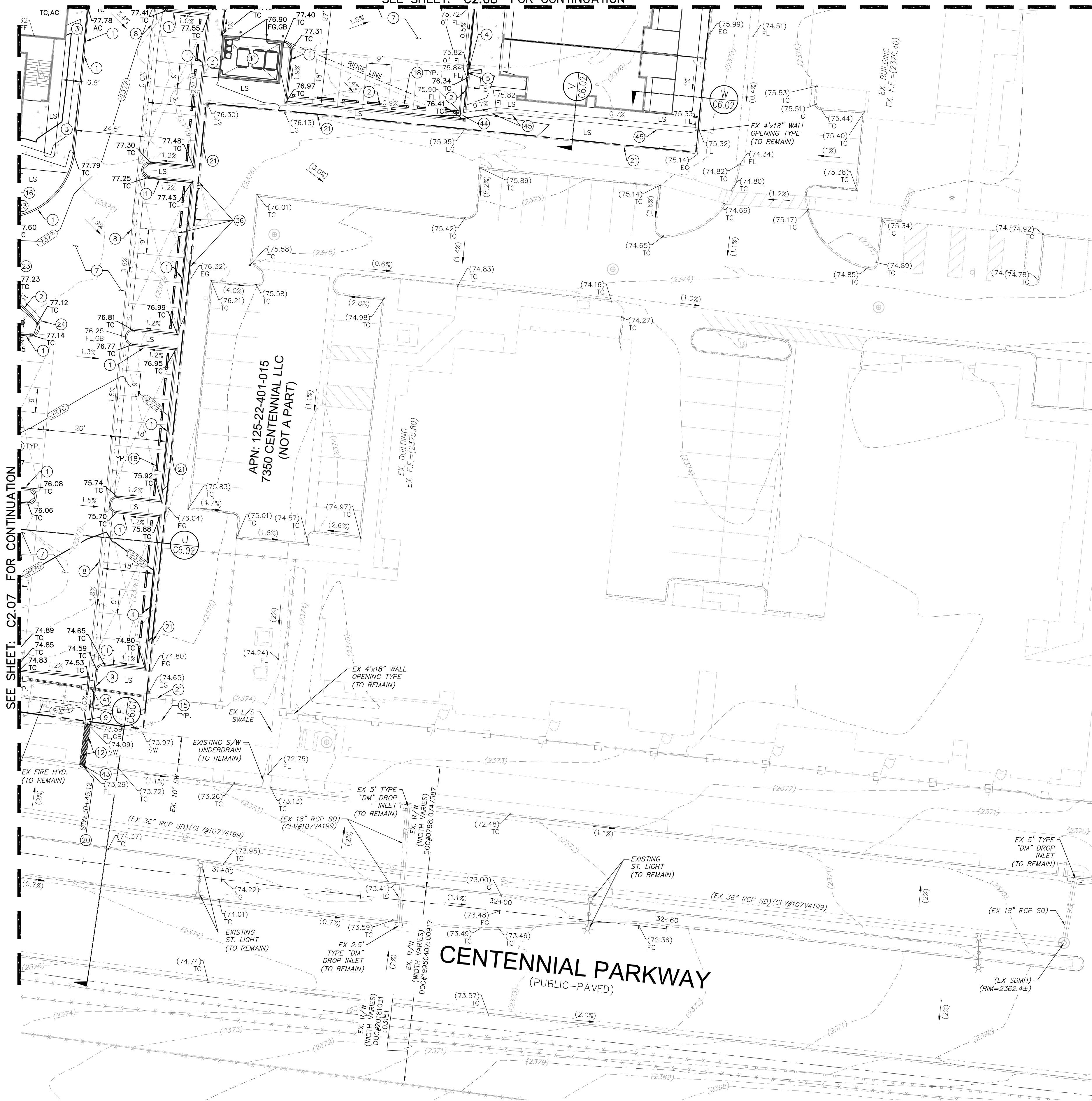


SHEET NUMBER
C2.08
OF 42 SHEETS
CLV# LXX-XXXXX

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SEE SHEET: C2.07 FOR CONTINUATION

SEE SHEET: C2.08 FOR CONTINUATION



CONSTRUCTION NOTES

1. CONSTRUCT "A" CURB PER CCAUSD #219.
2. CONSTRUCT "L" CURB PER CCAUSD #216.
3. CONSTRUCT CONCRETE SIDEWALK PER CCAUSD #234.
4. CONSTRUCT "ZERO" CURB FACE.
5. CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "L" CURB.
6. CONSTRUCT 3' TRANSITION FROM "ZERO" CURB TO "A" CURB.
7. CONSTRUCT AC PAVEMENT PER CHART ON DETAIL 1/C6.05.
8. CONSTRUCT 5" VALLEY GUTTER PER DETAIL 3/C6.05.
9. CONSTRUCT U-GUTTER PER DETAIL 4/C6.05.
10. CONSTRUCT 8" CROSS GUTTER PER CCAUSD #228.
11. TRASH ENCLOSURE PER ARCHITECT PLANS.
12. MATCH EXISTING CONCRETE SIDEWALK AND/OR CURB & GUTTER.
13. CONSTRUCT MULTI-FAMILY/COMMERCIAL DRIVEWAY PER CCAUSD #222.1.
14. REMOVE EX. CURB & GUTTER TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
15. EX. GATE, POST, AND/OR CHAINLINK FENCE (TO BE REMOVED).
16. CONSTRUCT 6"-THICK MONOLITHIC CURB ADJACENT TO SIDEWALK. HEIGHT VARIES (0" - 6").
17. CONSTRUCT HANDICAP S/W RAMP PER CCAUSD #235 CASE 1. A=8', B=8' UNLESS OTHERWISE NOTED.
18. INSTALL CONCRETE WHEEL STOP PER ARCHITECT PLANS.
19. EX. AD SIGN (TO BE REMOVED).
20. CONSTRUCT SIDEWALK UNDER DRAIN PER CCAUSD #236.
21. EX. RET. WALL, SCREEN WALL AND/OR CHAINLINK FENCE (TO REMAIN).
22. CONSTRUCT "ZERO" CURB FACE AND TYPICAL ONSITE HANDICAP AREA PER DETAIL 7/C6.05.
23. CONSTRUCT ONSITE HANDICAP SIDEWALK RAMP AT "ZERO" CURB FACE.
24. TURN OUT "L" CURB AND GUTTER TO ENSURE POSITIVE DRAINAGE.
25. REMOVE EX. CURB, GUTTER, SIDEWALK/RAMP, CHAINLINK FENCE/POST, CONCRETE VALLEY GUTTER AND CONCRETE SPANDREL TO CONSTRUCT PROPOSED DRIVEWAY. MATCH EX. ASPHALT. SAW CUT CLEAN EDGE FOR CONNECTION.
26. EX. ABOVE AND/OR BELOW GROUND ELECTRICAL FACILITIES TO BE REMOVED OR RELOCATED WITH THE CONSTRUCTION OF THIS PROJECT, DESIGNED BY OTHERS (SEE NV ENERGY PLANS).
27. EX. CABLE/TV FACILITIES TO BE RELOCATED, DESIGNED BY OTHERS (SEE COX DESIGN PLANS).
28. EX. WATER FIRE HYDRANT (TO BE RELOCATED). REFER TO UTILITY PLANS.
29. EX. STREET LIGHT/FIBER OPTIC AND/OR ASSOCIATED FACILITIES TO REMAIN (PROTECT-IN-PLACE).
30. EX. TRANSFORMER/PAD FACILITIES TO REMAIN (PROTECT-IN-PLACE).
31. EX. SERVICE PEDESTAL TO REMAIN (PROTECT-IN-PLACE).
32. EX. UTILITIES TO REMAIN (PROTECT-IN-PLACE).
33. EX. WATER FACILITIES (TO BE REMOVED). REFER TO UTILITY PLANS.
34. EX. SEWER MANHOLE (TO BE RELOCATED). REFER TO UTILITY PLANS.

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DRAINAGE STUDY

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CLAYTON LEE NEILSEN, PE #14132

DATE

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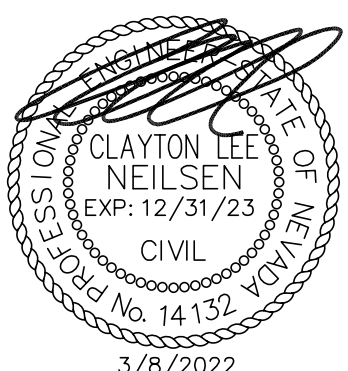


DESIGNED BY: JA, EV, DG	DRAWN BY: JA, EV, DG	CHKD BY: JA, CN
JOB NUMBER: 2206002	DATE: Mar-22	
REVISION	DATE	APPL
NO.		

L. R. NELSON CONSULTING ENGINEERS, LLC	6765 West Russell Road, Suite 200 Las Vegas, Nevada	89118
STRUCTURAL	CIVIL	PLANNING
		SURVEY

SHIRON DEVELOPMENT LLC

GRADING PLAN 9
VUE APARTMENTS AT CENTENNIAL PHASE III
NEVADA
CITY OF LAS VEGAS



SHEET NUMBER
C2.09
OF 42 SHEETS
CLV# LXX-XXXXX

LEGAL DESCRIPTION

REFER TO SHEET C1.01 FOR LEGAL DESCRIPTION INFORMATION

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION BLV90215ES, RIVET AND PLATE IN TOP OF CURB AT NW CORNER OF JOHN HERBERT BOULEVARD AND CENTENNIAL PARKWAY

ELEVATION = 729.71 METERS
ELEVATION = 2394.06 U.S. SURVEY FEET (NAVD 88)

RETAINING WALL BACKFILL NOTE

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.

2. GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES)

DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE

GRADING NOTES

1. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
2. WORK UNDER THIS PLAN CONSTITUTES GRADING IN ACCORDANCE WITH 2018 IBC; ENGINEERING REPORTS AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL BE FILED WITH THE CITY OF LAS VEGAS PRIOR TO CITY OF LAS VEGAS APPROVAL AT FINAL INSPECTION.
3. WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.
4. CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.

FEMA FLOOD PLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY - PANEL NUMBER 32003C1745E, EFFECTIVE DATE SEPTEMBER 27, 2002, THE SITE IS LOCATED WITHIN A ZONE "X". AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

SOILS REPORT

ORIGINAL REPORT:

ANGLE ENGINEERING

DATED: JUNE 20, 2014

PROJECT NO. 45012-1

SUMMARY REPORT:

AZTECH MATERIALS TESTING

DATED: JULY 22, 2019

PROJECT NO. BLUX-001

UPDATE REPORT:

GEOTEK, INC.

DATED: JANUARY 14, 2022

PROJECT NO. 12312-LV

ESTIMATED EARTHWORK QUANTITIES

CUT: XX,XXX CY

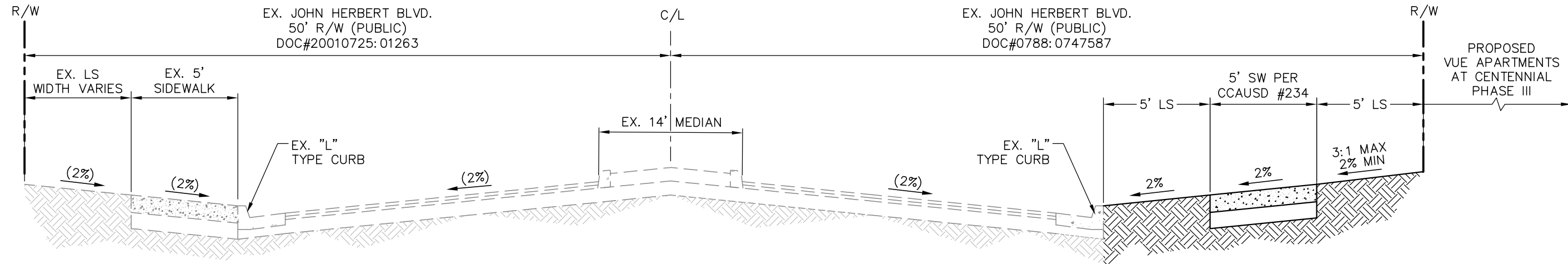
FILL: XX,XXX CY

NET CUT: XX,XXX CY

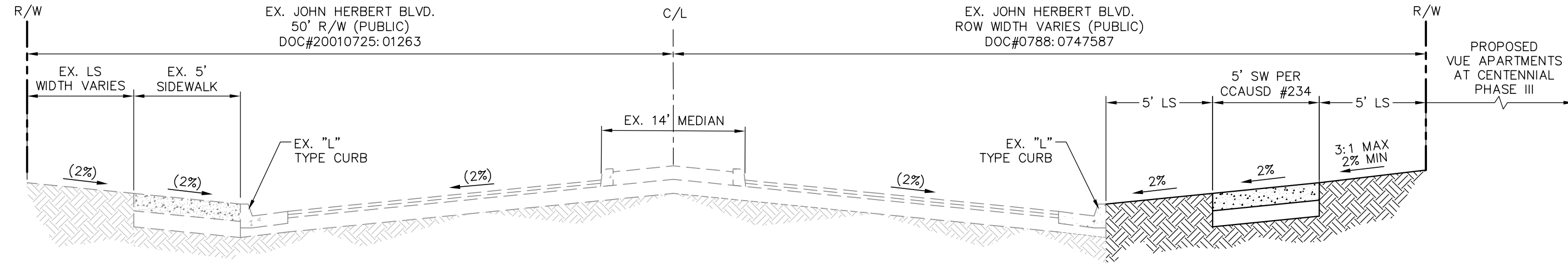
THESE QUANTITIES ARE FOR ESTIMATING PURPOSE ONLY. THE FILL FIGURE INCLUDES A 15% AVERAGE SHRINKAGE FACTOR. OTHER CONSIDERATIONS SUCH AS OVEREXCAVATION, CALICHE, BOULDERS, ETC. WILL LIKELY AFFECT THE ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORK QUANTITIES.

LEGEND NOTE

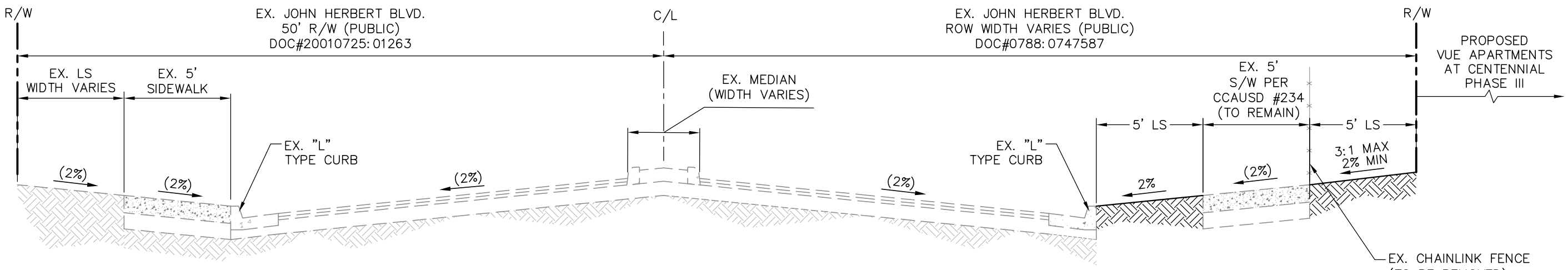
SEE SHEET C1.02 FOR LEGEND AND ABBREVIATIONS.



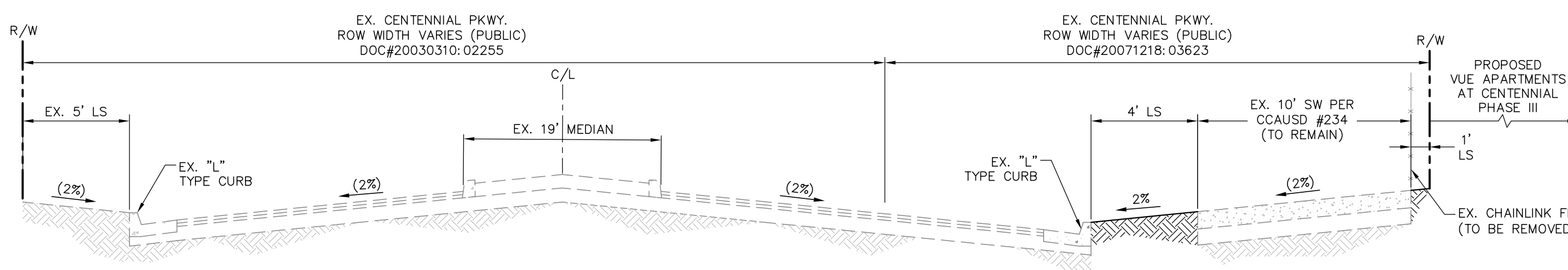
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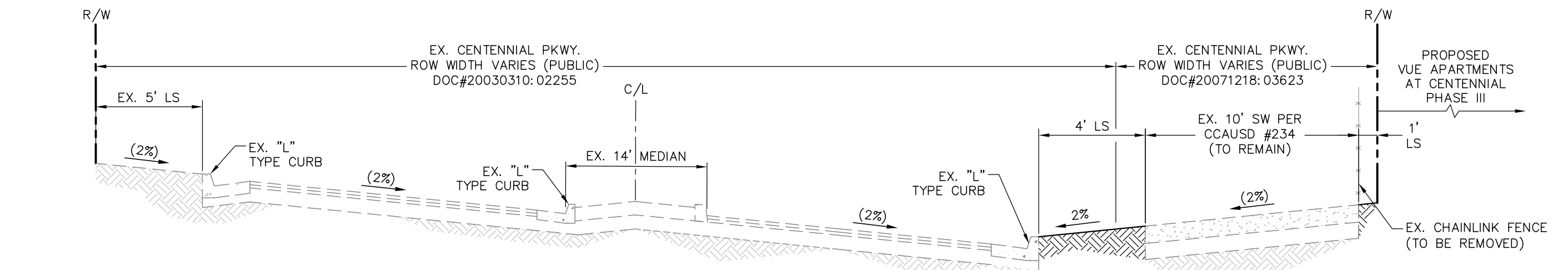
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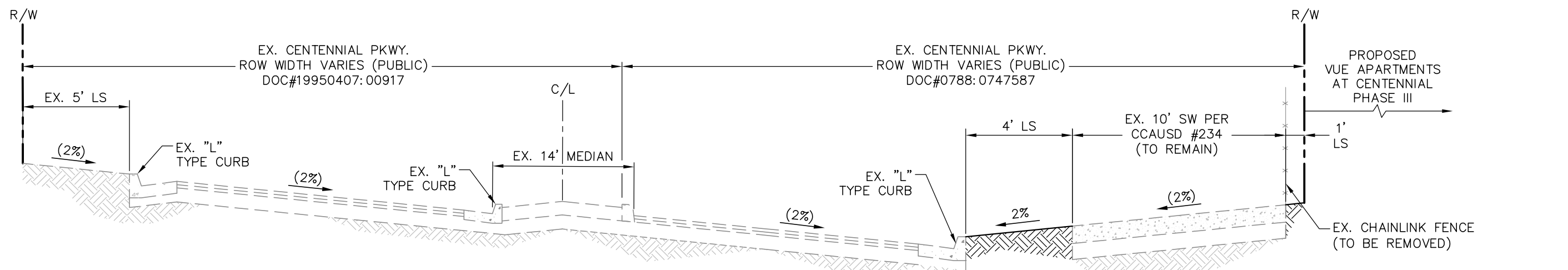
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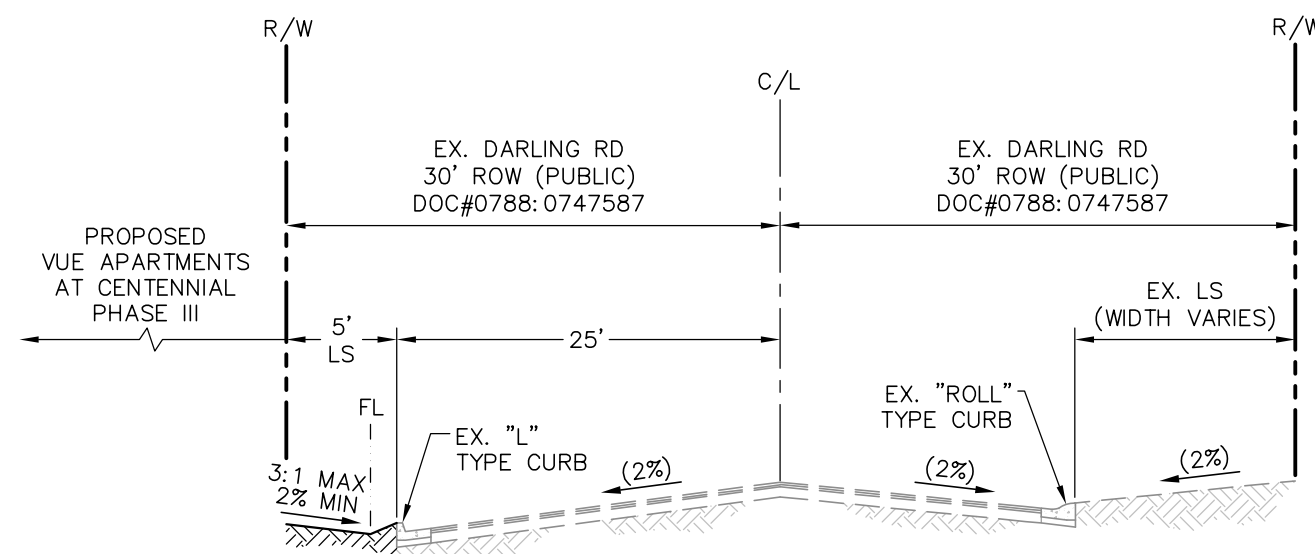
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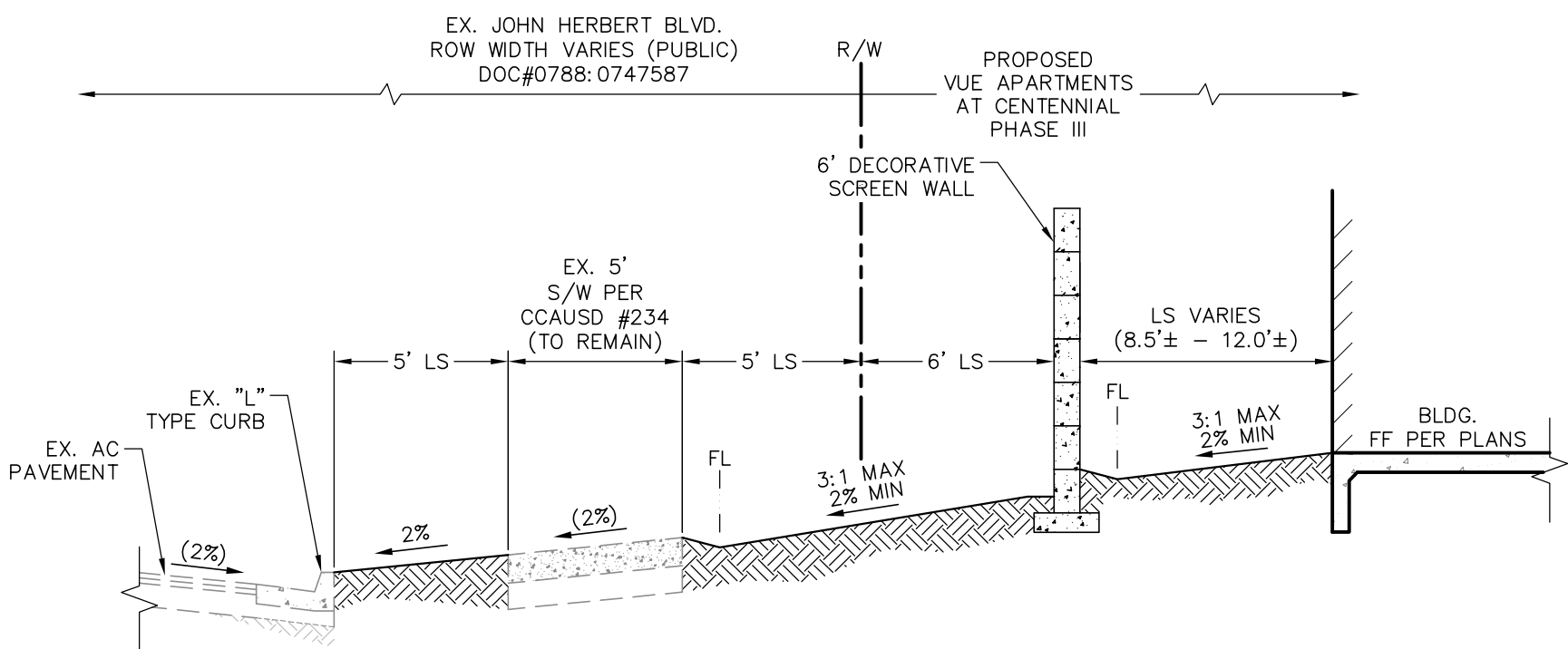
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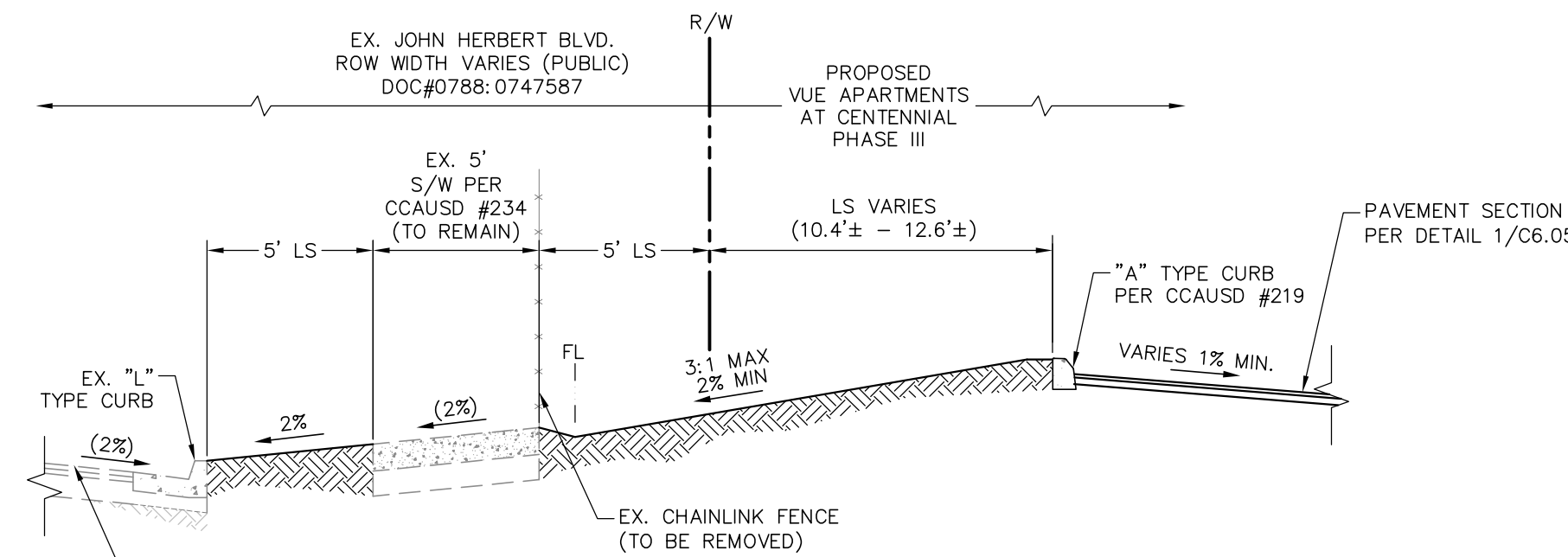
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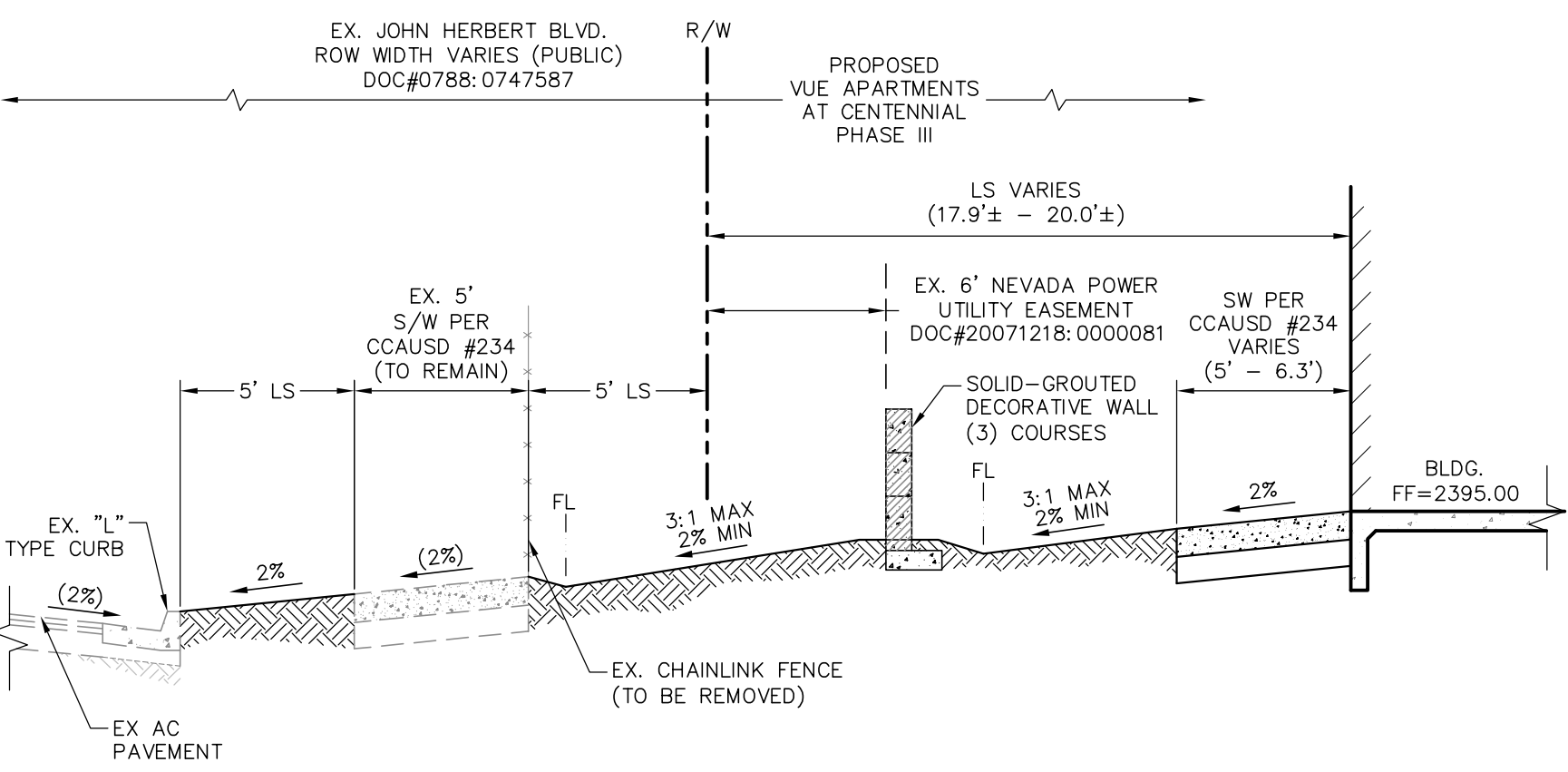
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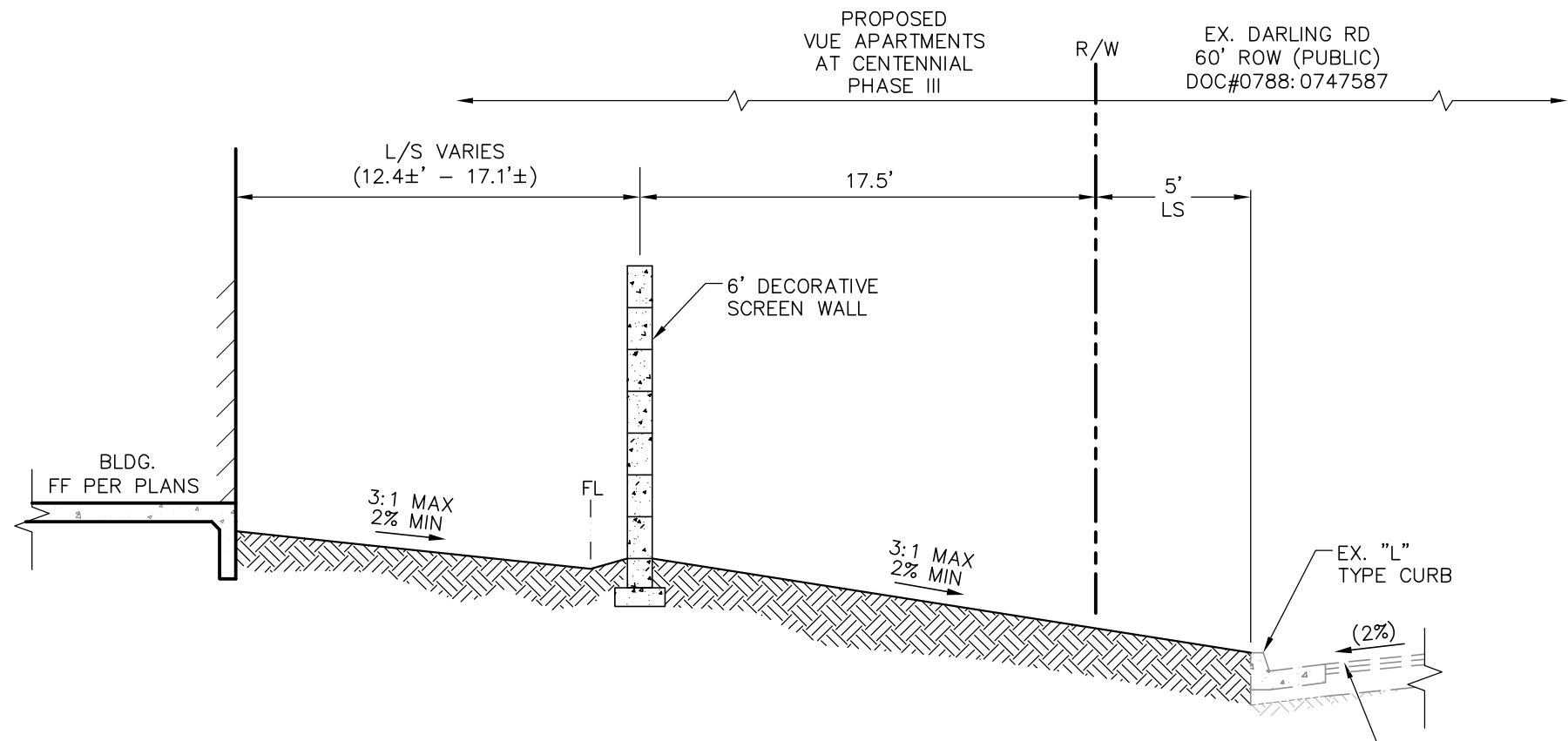
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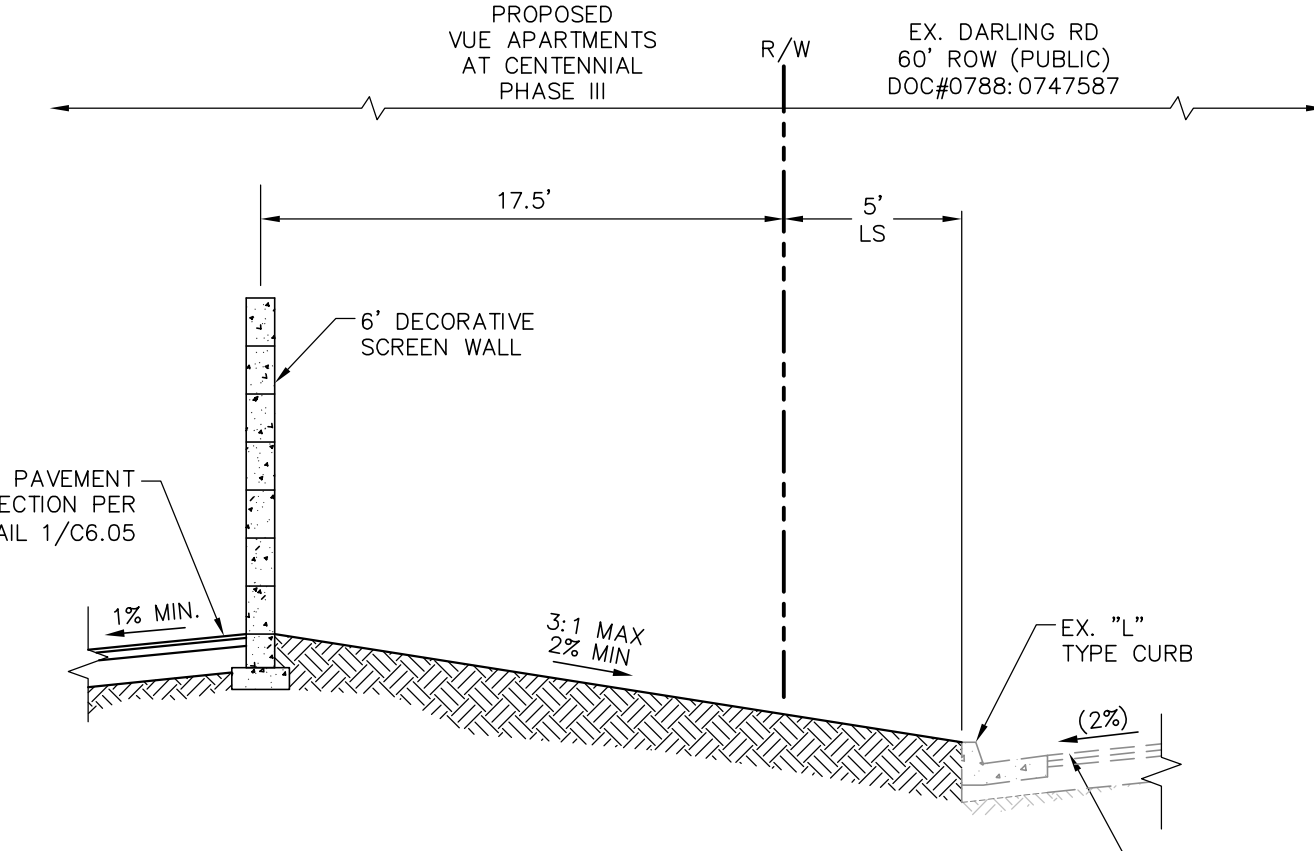
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SCALE: N.T.S.



L SECTION
SCALE: N.T.S.



M SECTION
SCALE: N.T.S.

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RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

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JOB NUMBER: 2206002	DATE: Mar-22	
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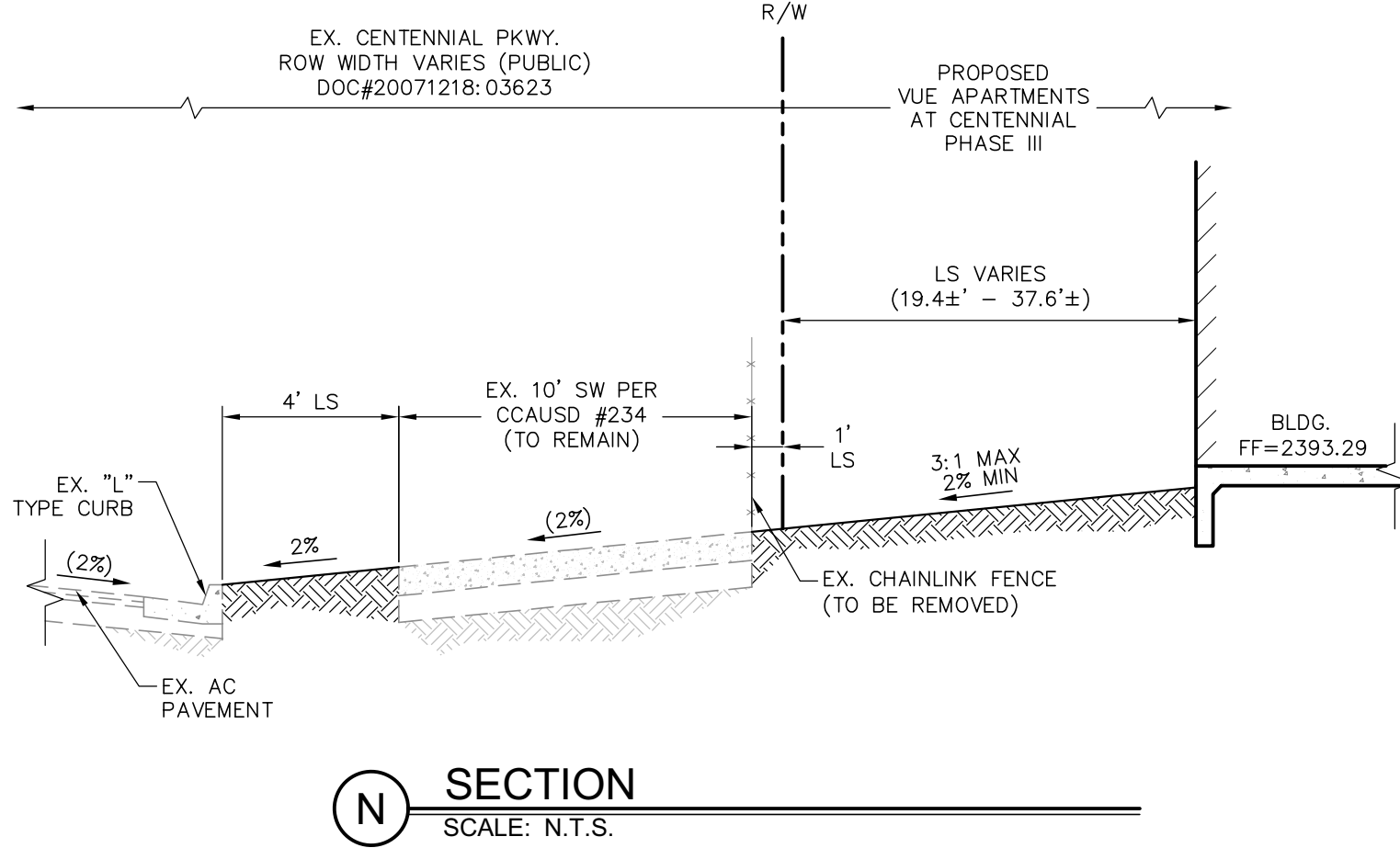
SECTIONS AND DETAILS
VUE APARTMENTS AT CENTENNIAL PHASE III
CITY OF LAS VEGAS, NEVADA

CLAYTON LEE NELSEN
EXP: 12/31/23
CIVIL
Professional Seal No. 14132
3/8/2022

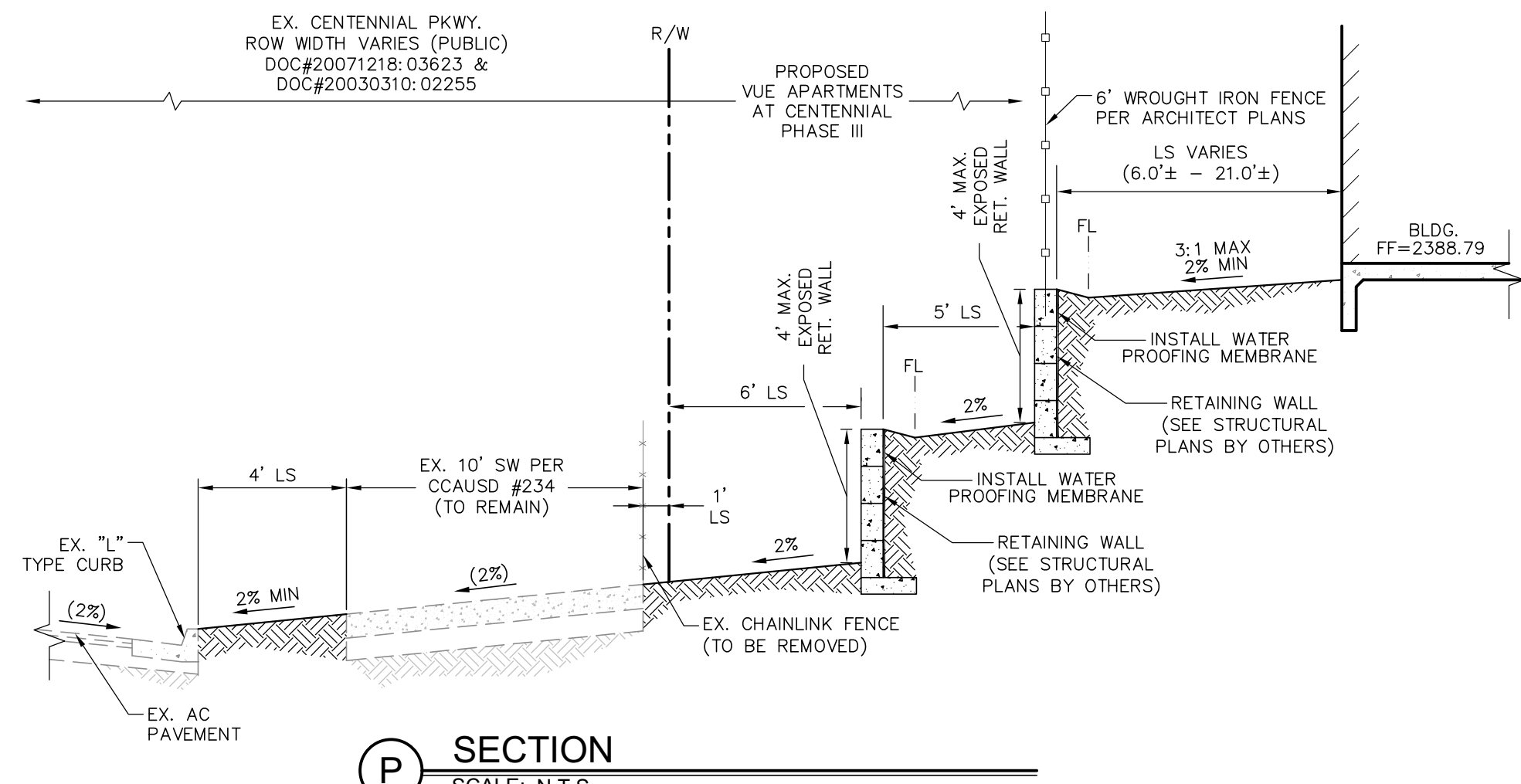
SHEET NUMBER
C6.01
OF 42 SHEETS
CLV# LXX-XXXXX

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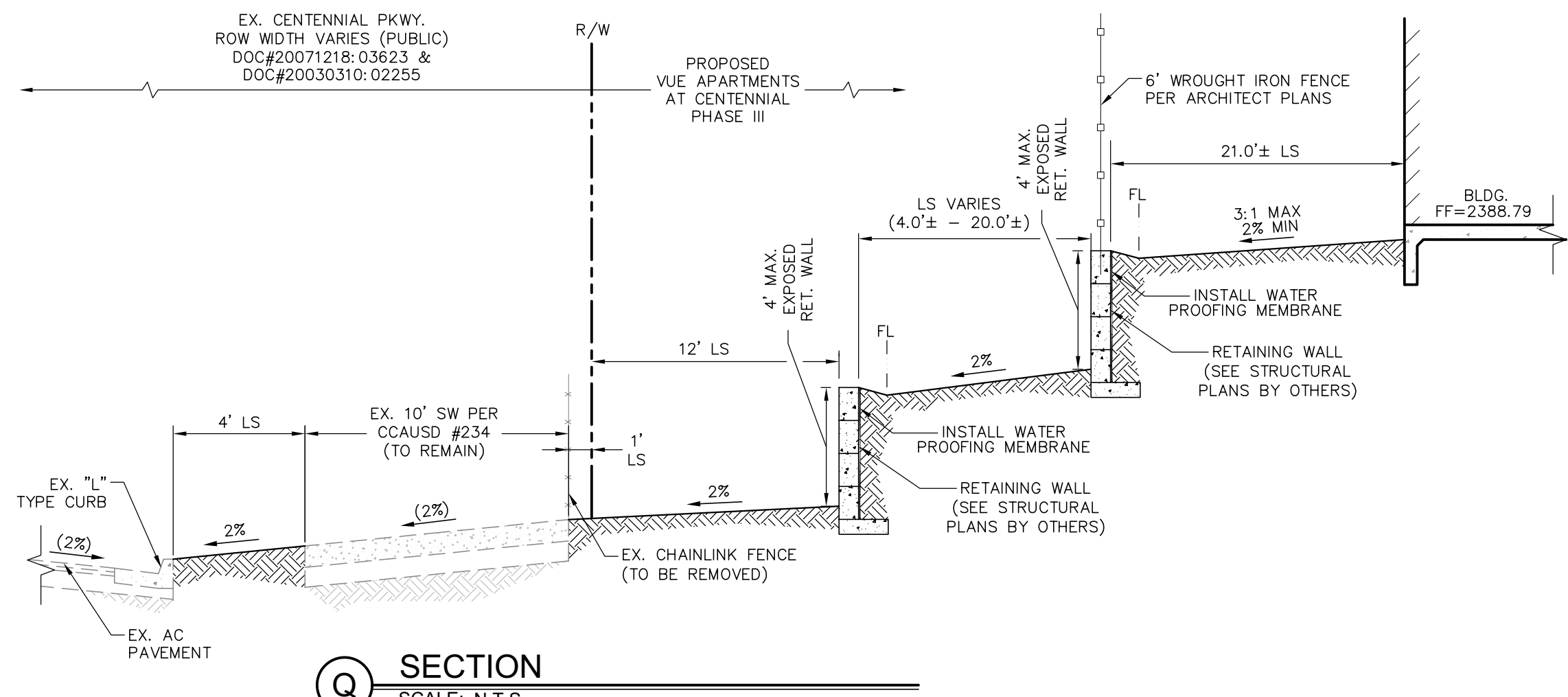
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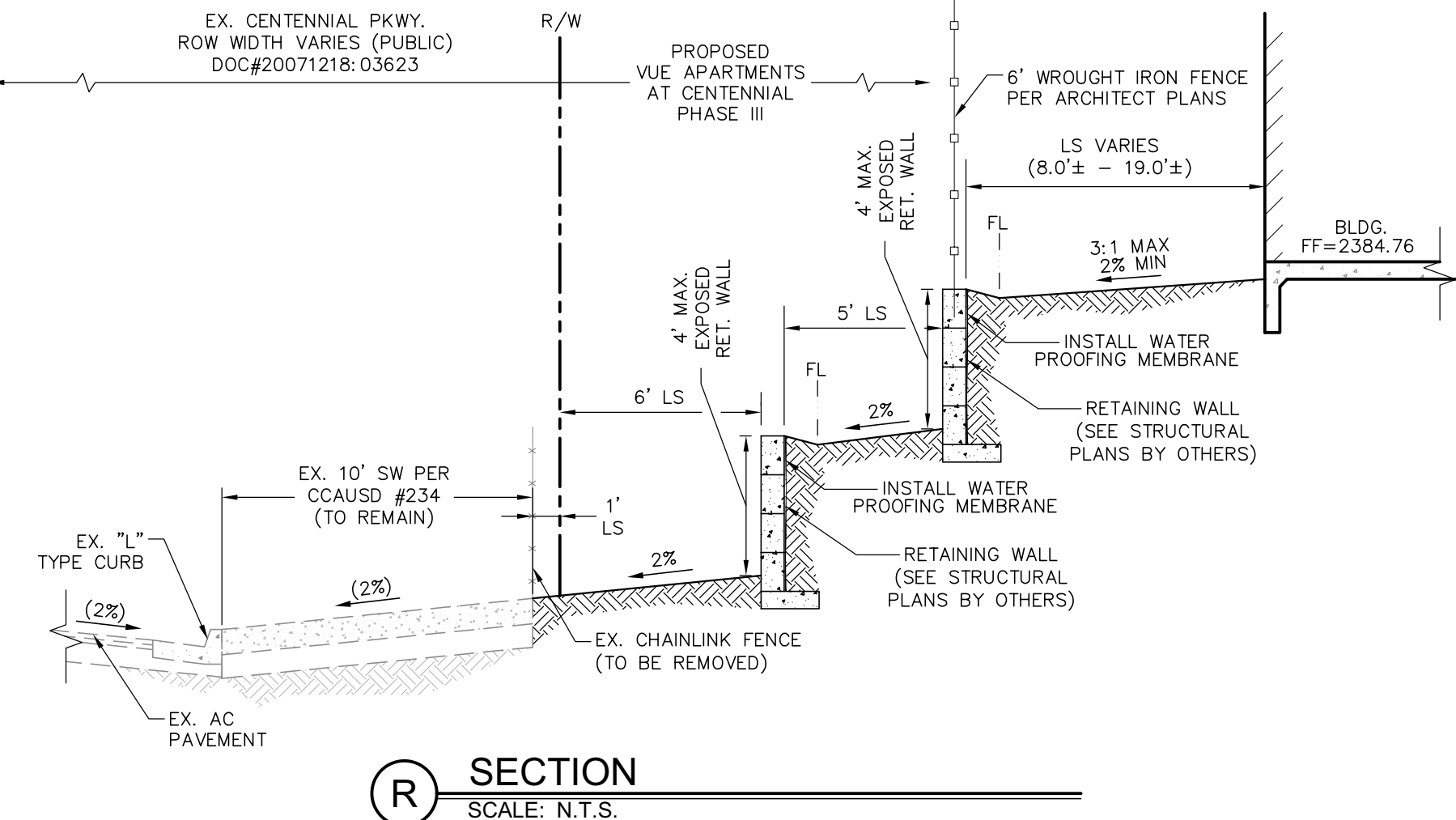
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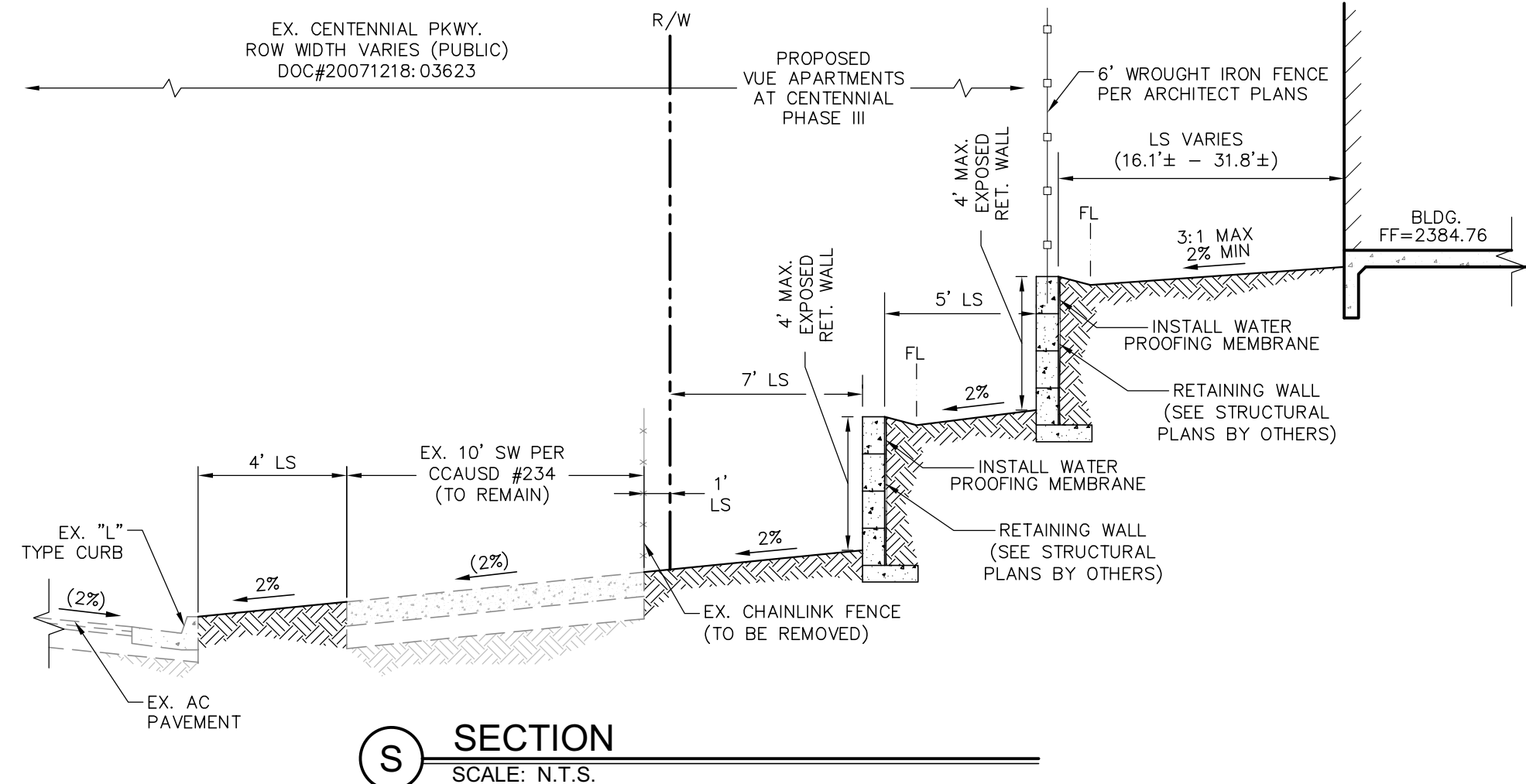
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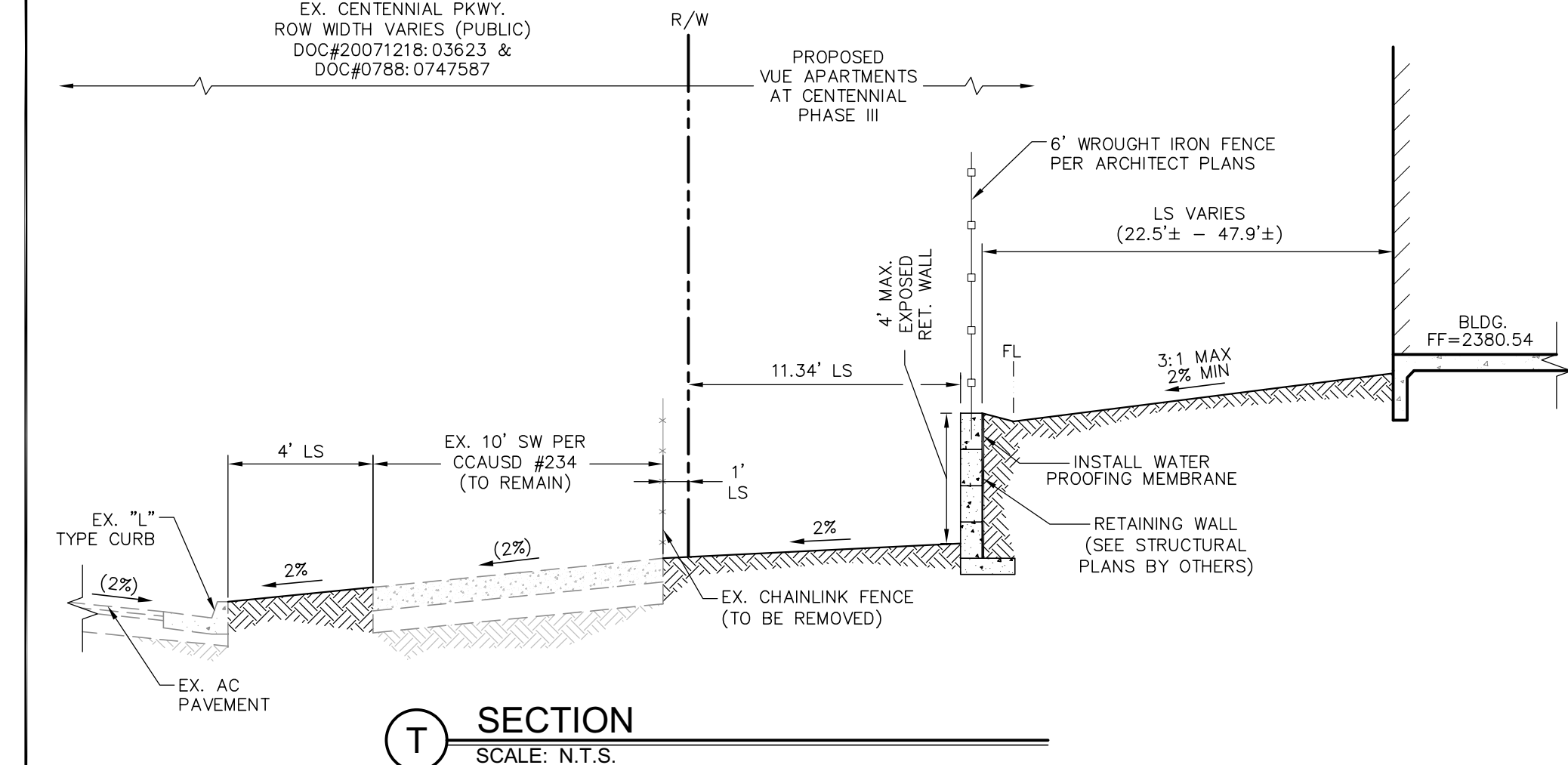
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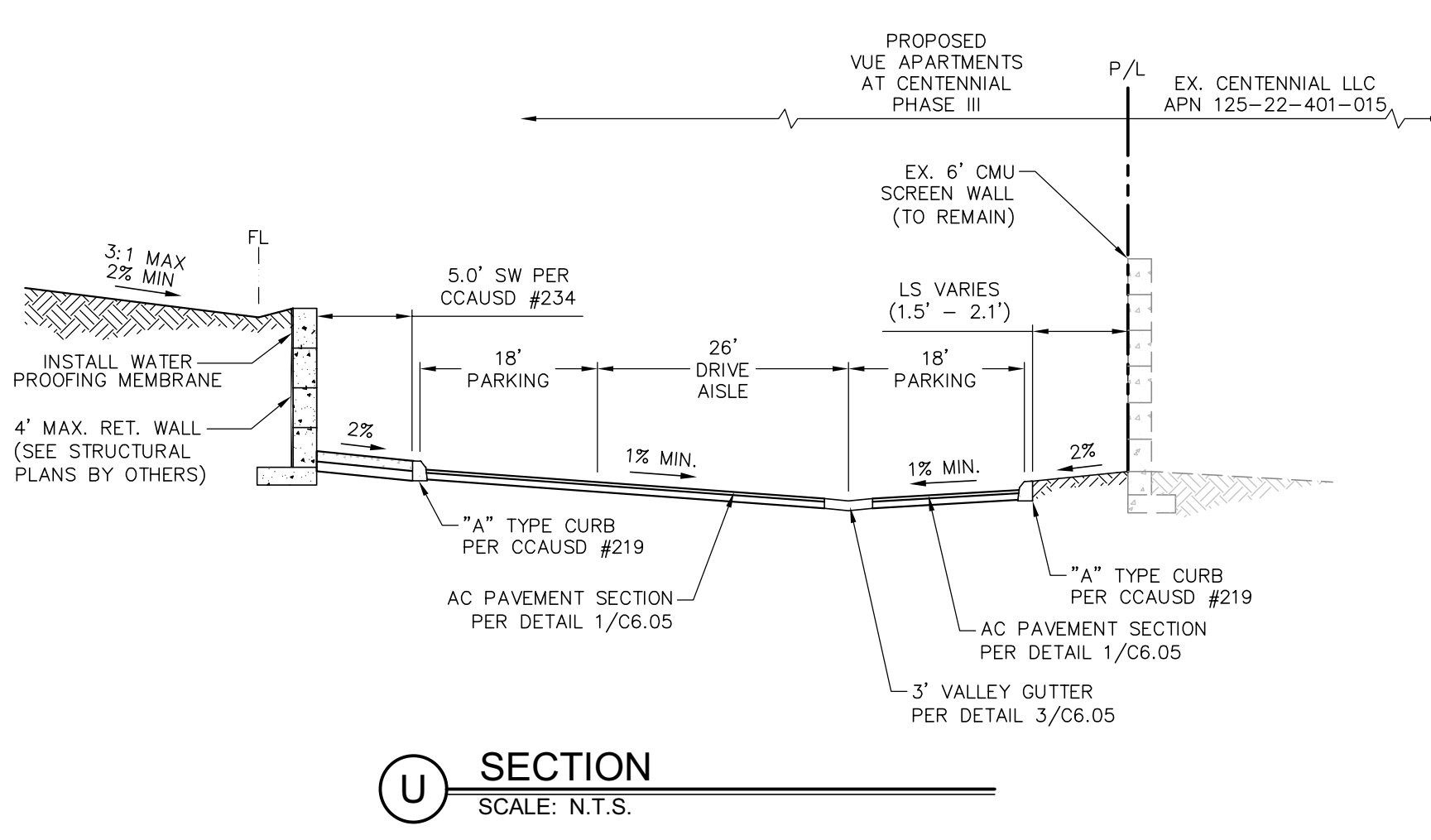
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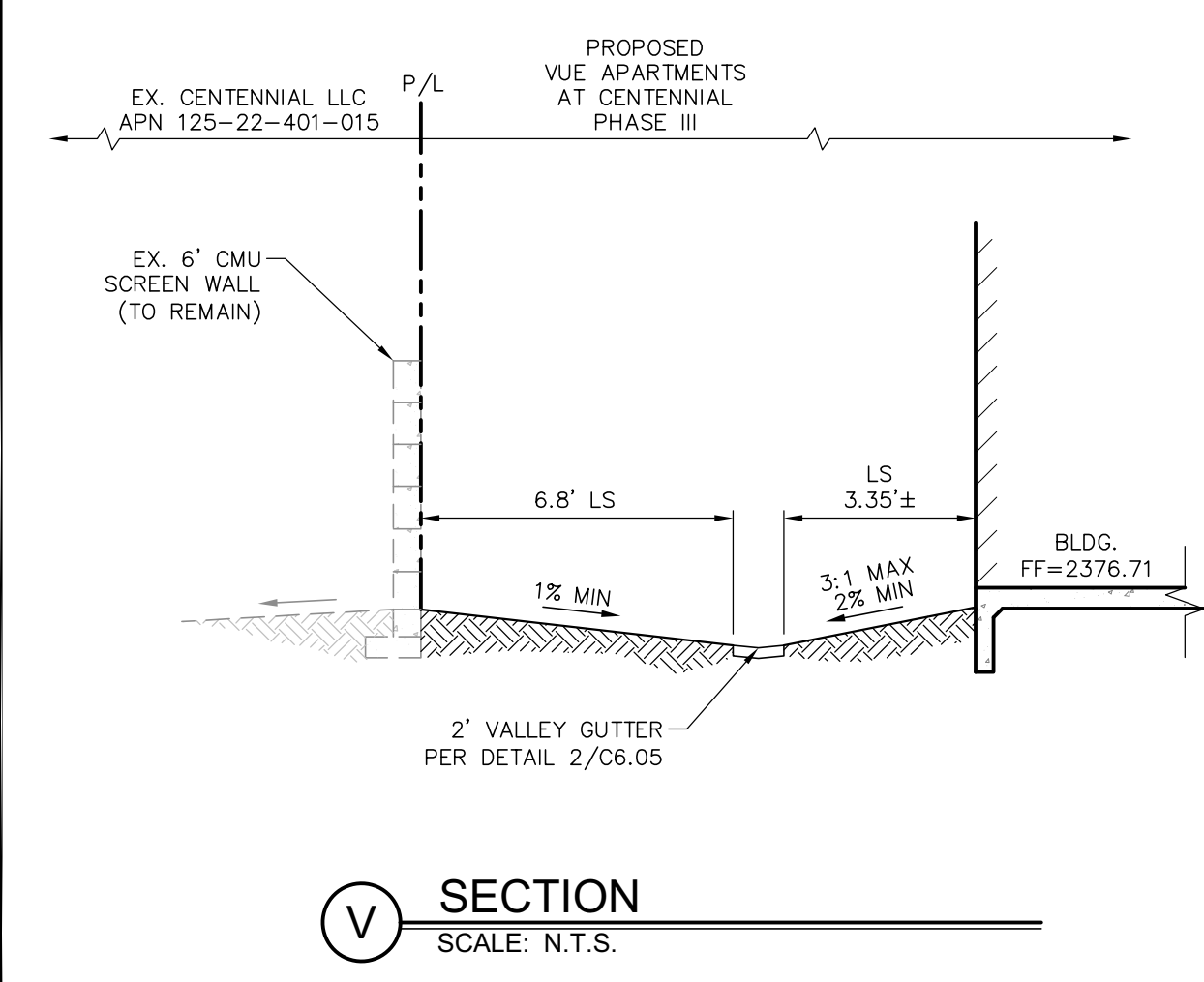
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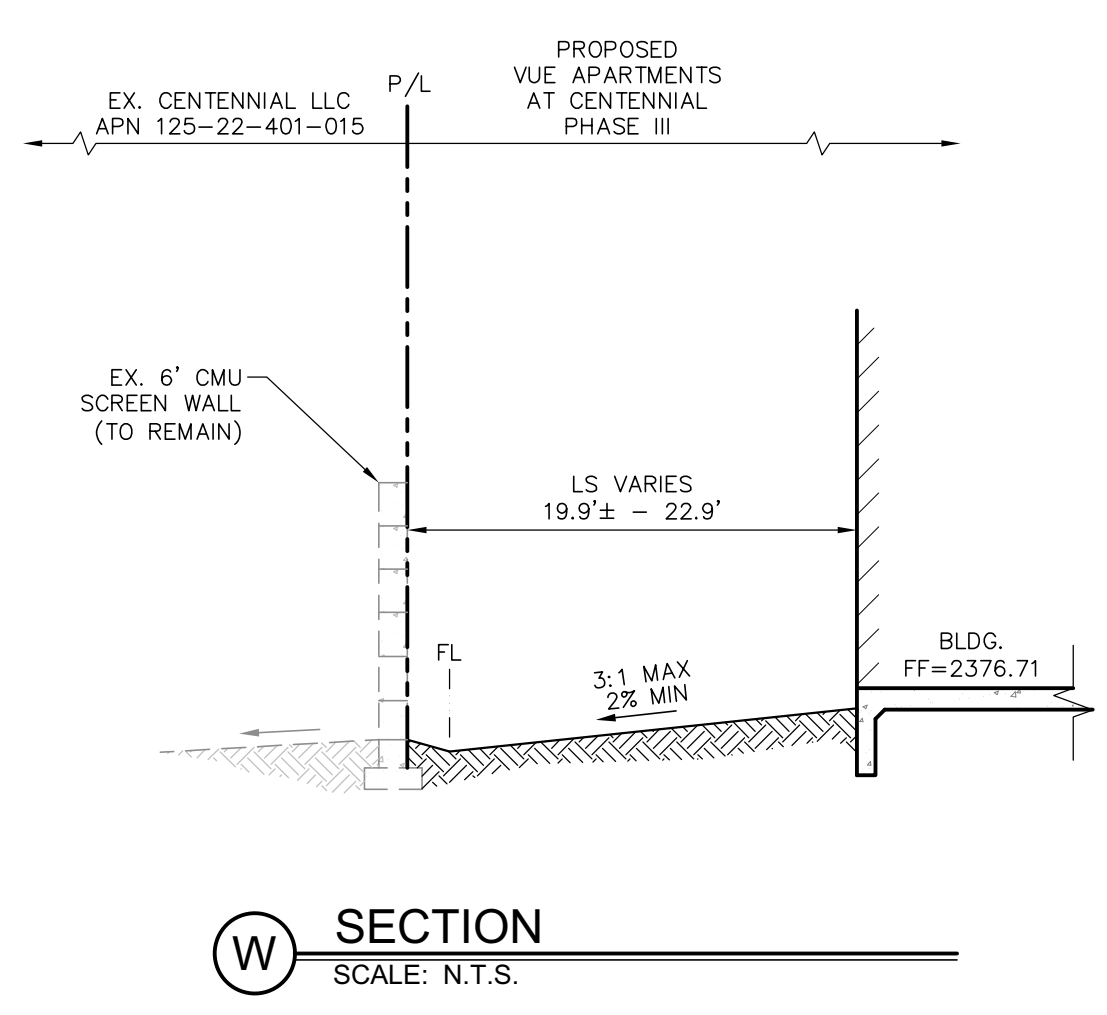
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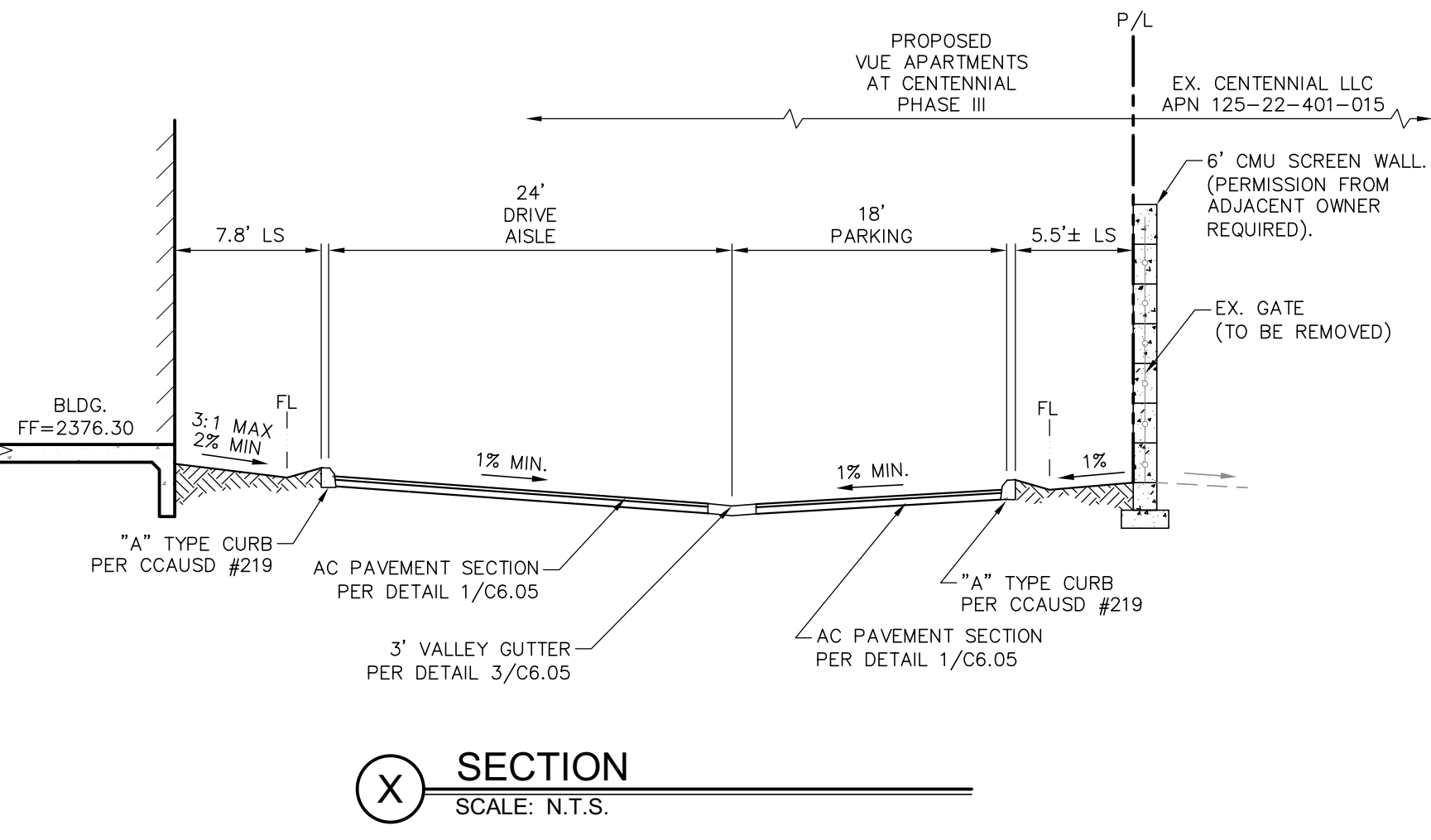
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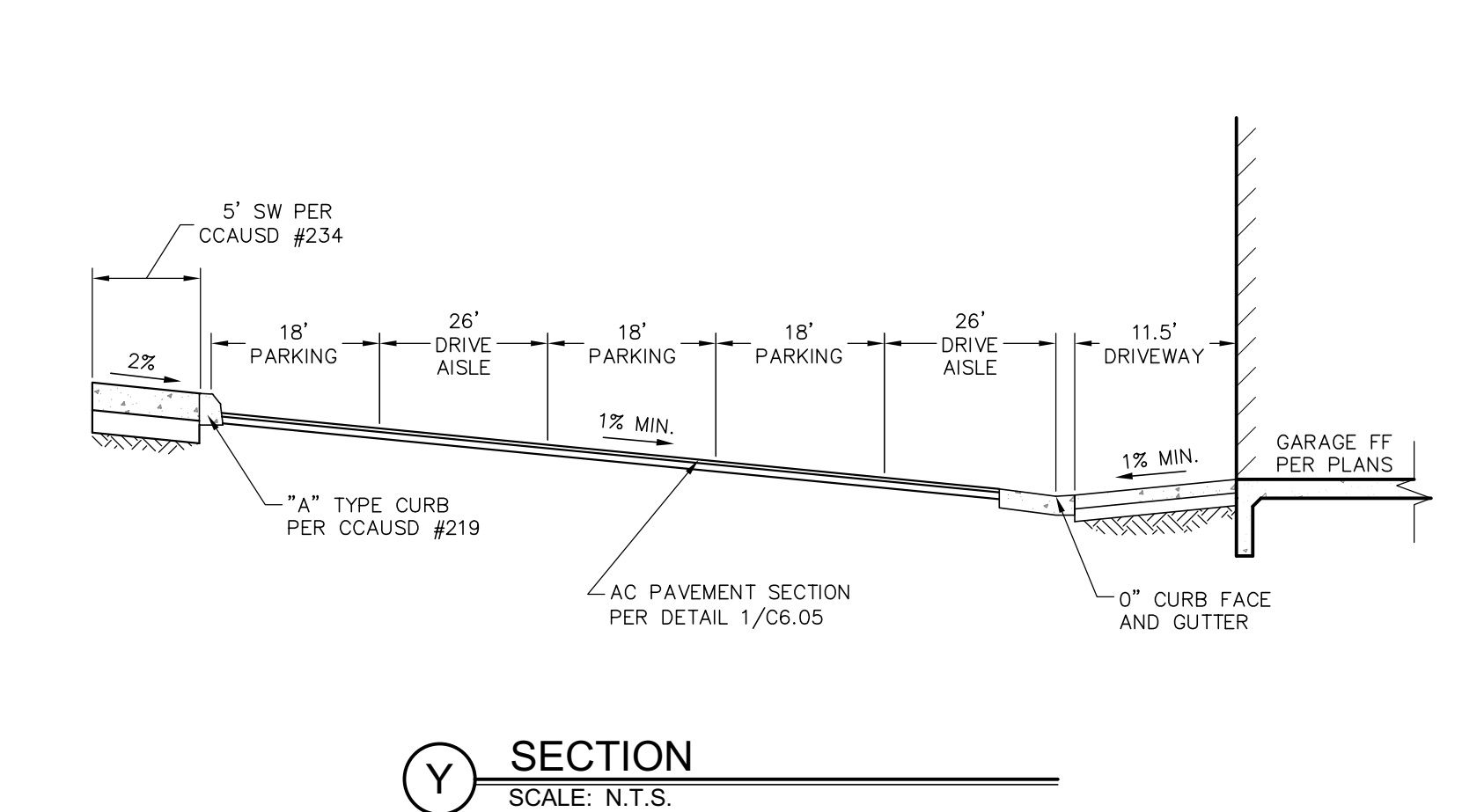
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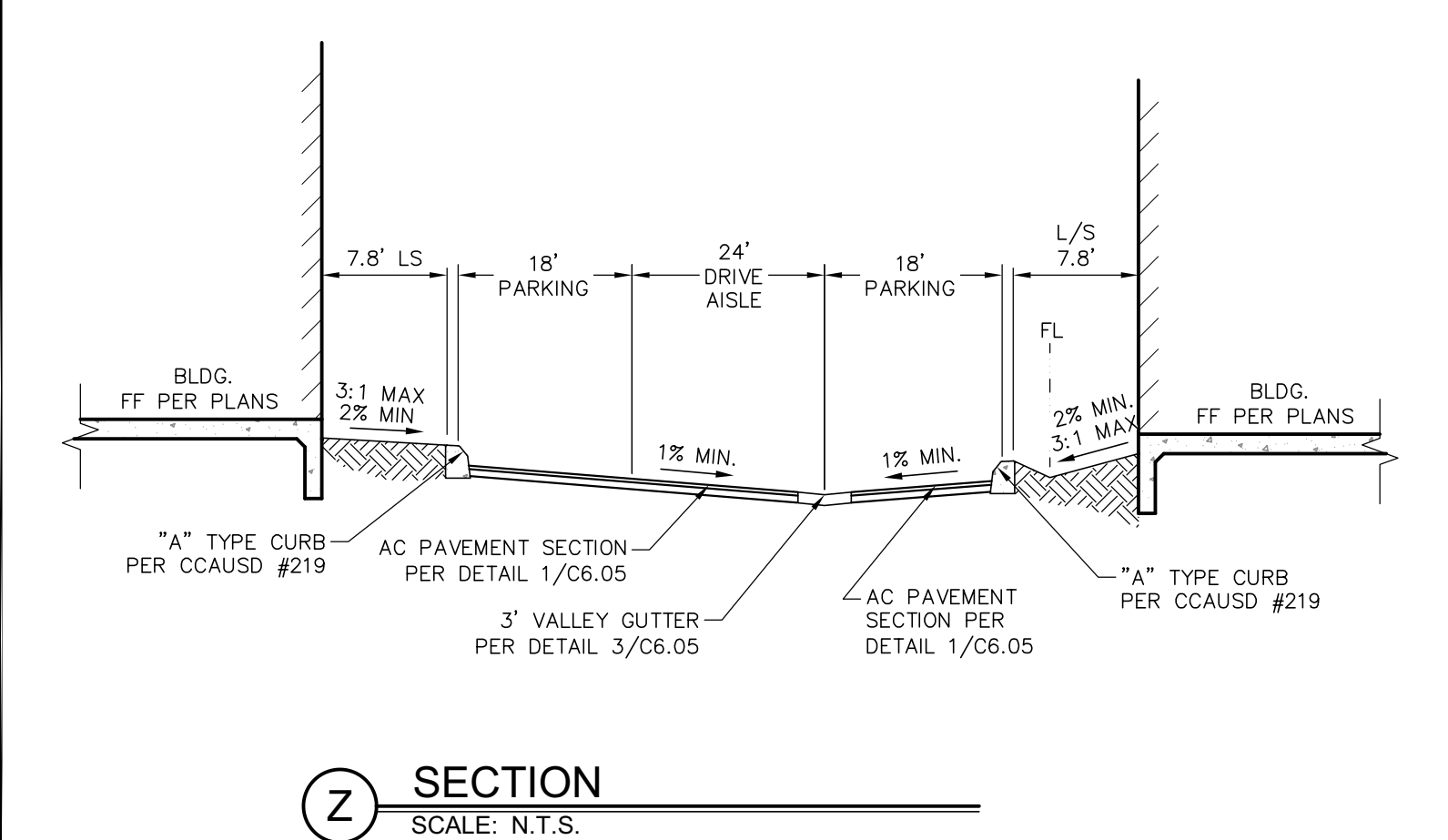
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X SECTION
SCALE: N.T.S.



Y SECTION
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Z SECTION
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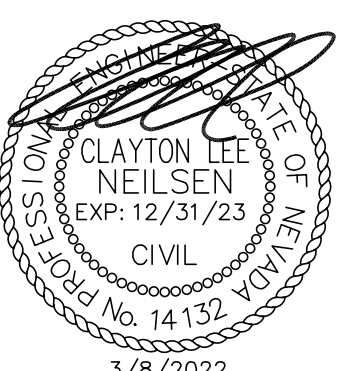
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JOB NUMBER: 2206002	DATE: Mar-22	REVISED
NO.	REVISION	DATE APPL

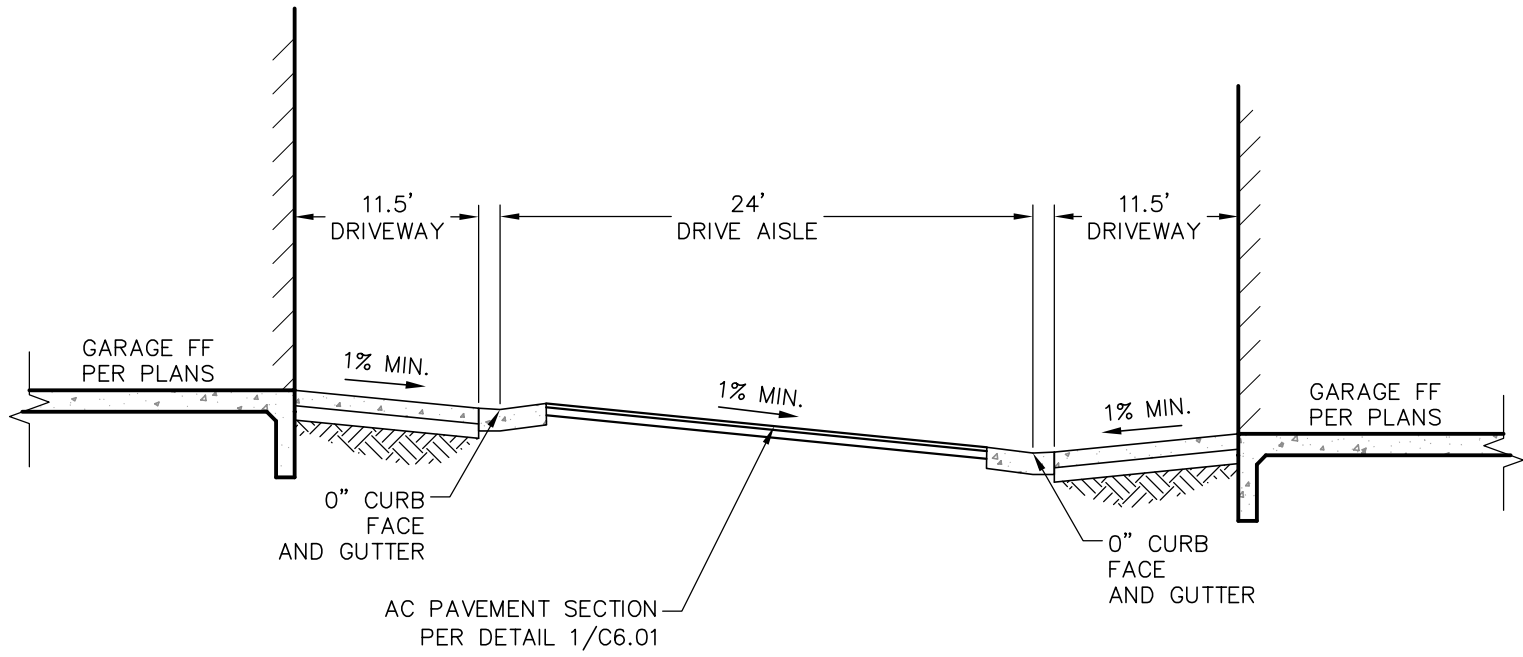
L. R. NELSON CONSULTING ENGINEERS, LLC
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SURVEY
6765 West Russell Road, Suite 200
Las Vegas, Nevada 89118
(702) 796-7978
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SHIRON DEVELOPMENT LLC

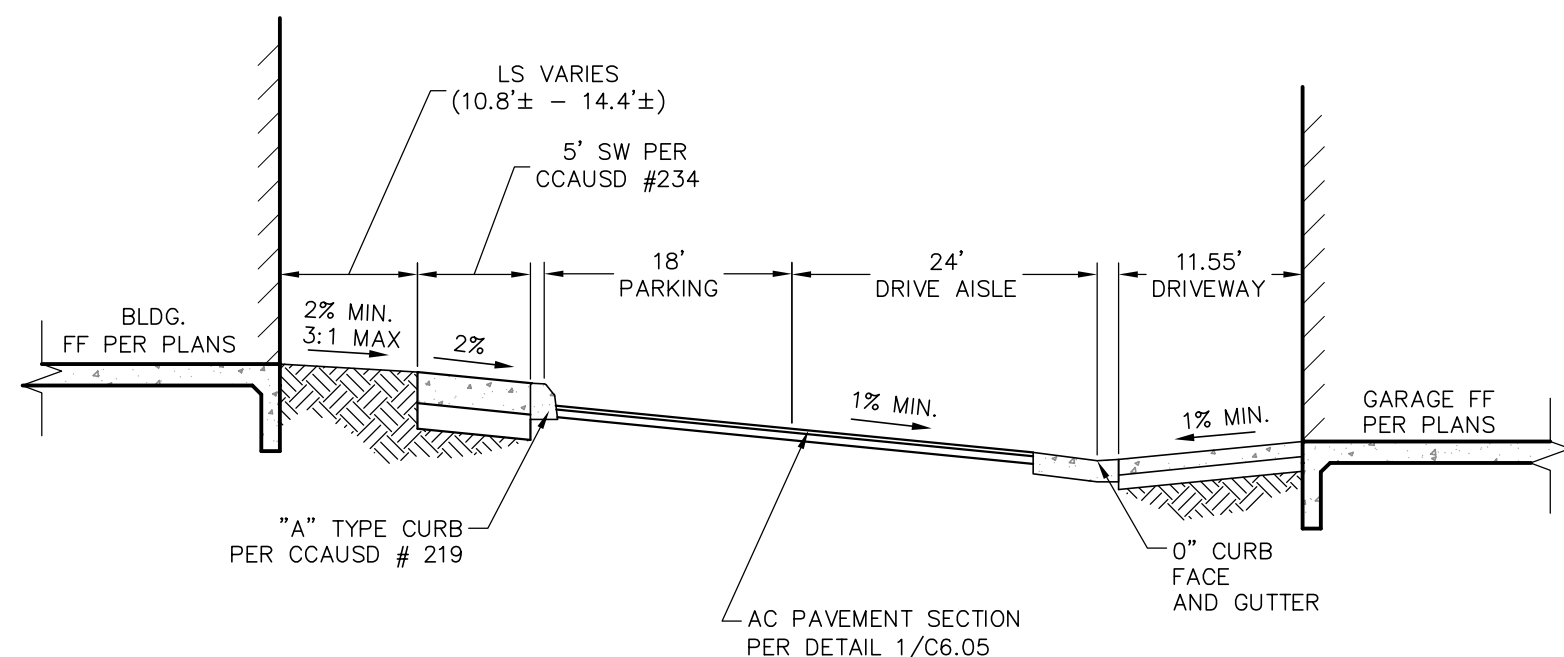
SECTIONS AND DETAILS
VUE APARTMENTS AT CENTENNIAL PHASE III
CITY OF LAS VEGAS NEVADA



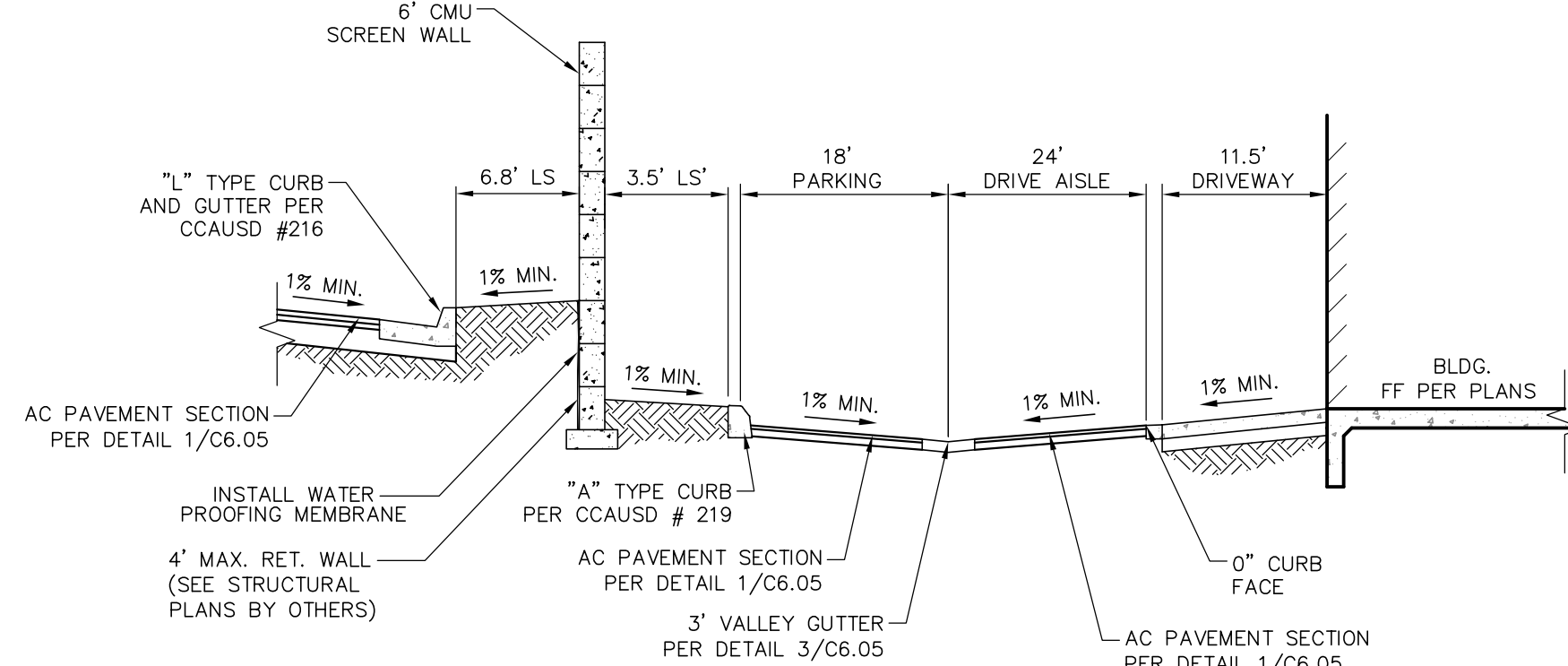
SHEET NUMBER
C6.02
OF 42 SHEETS
CLV# LXX-XXXXX



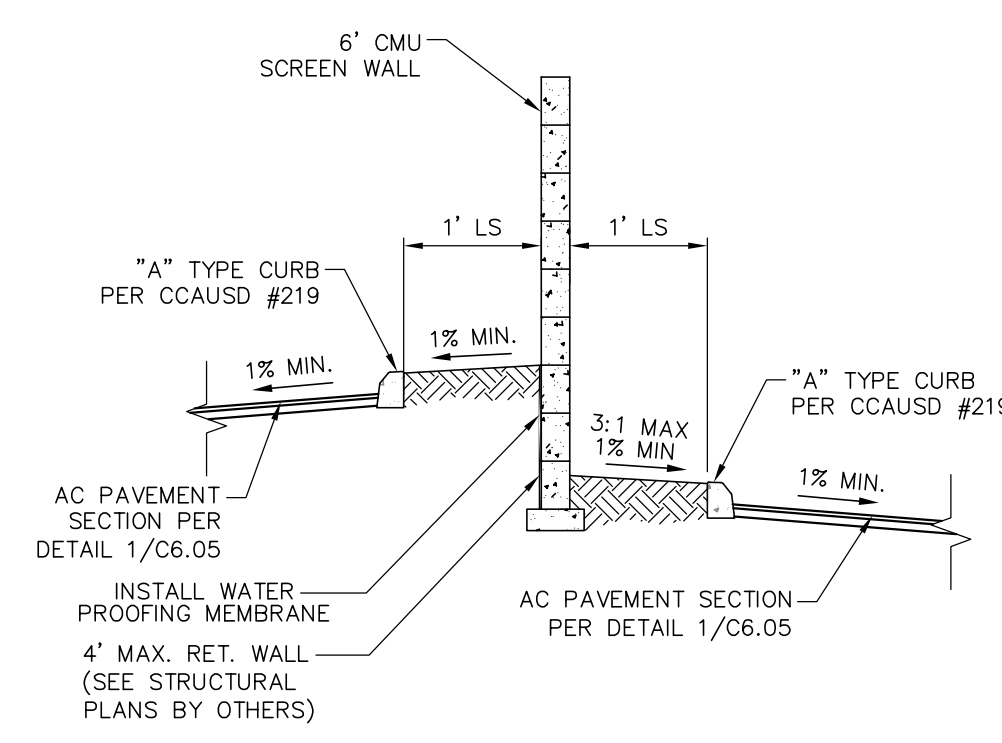
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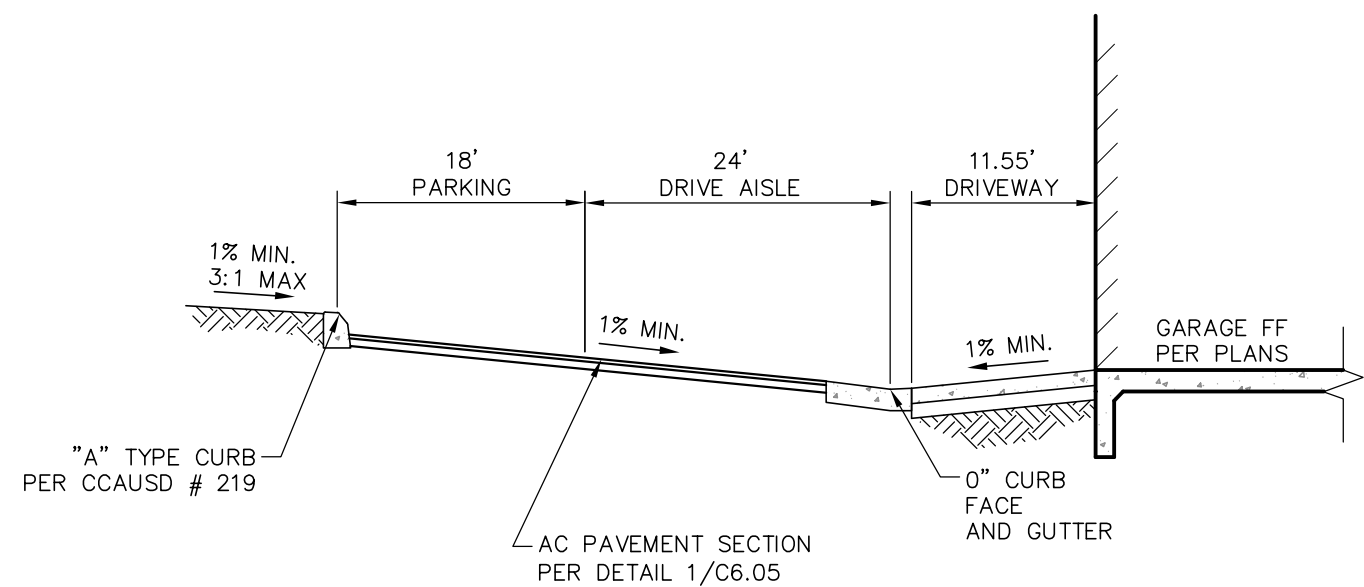
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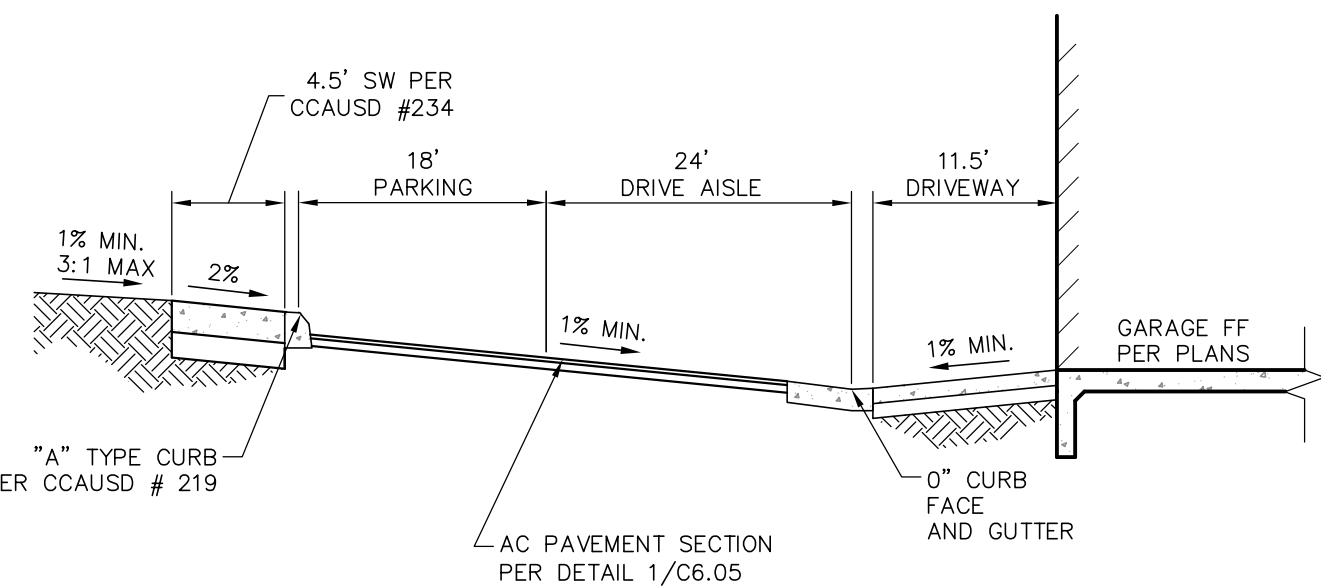
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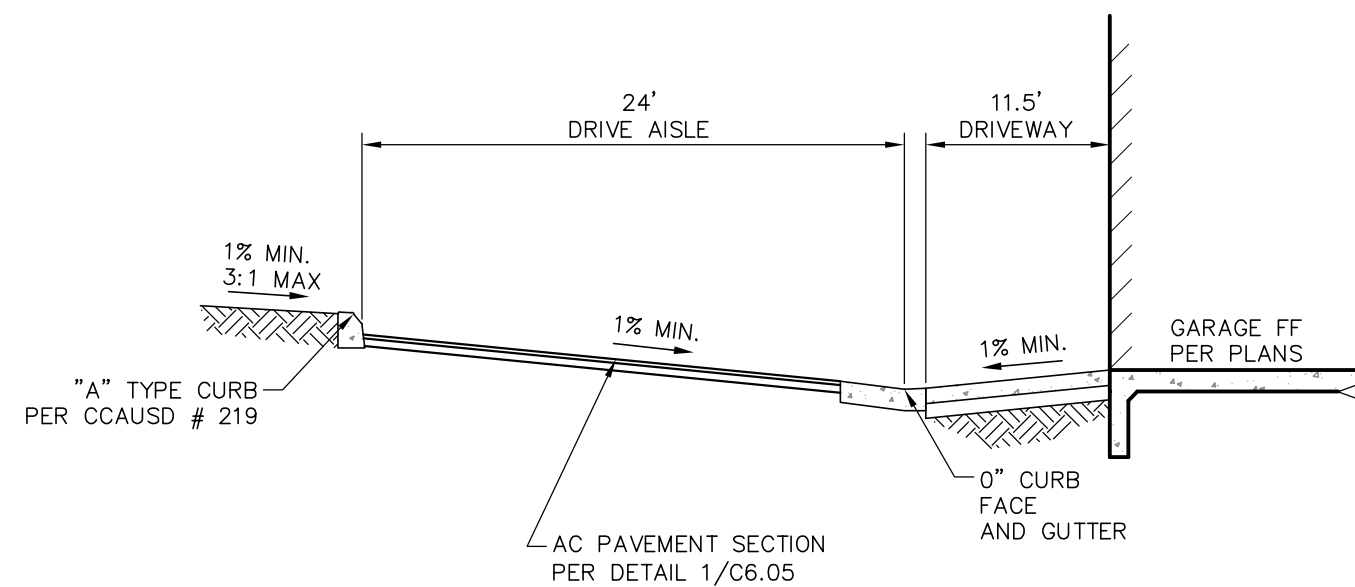
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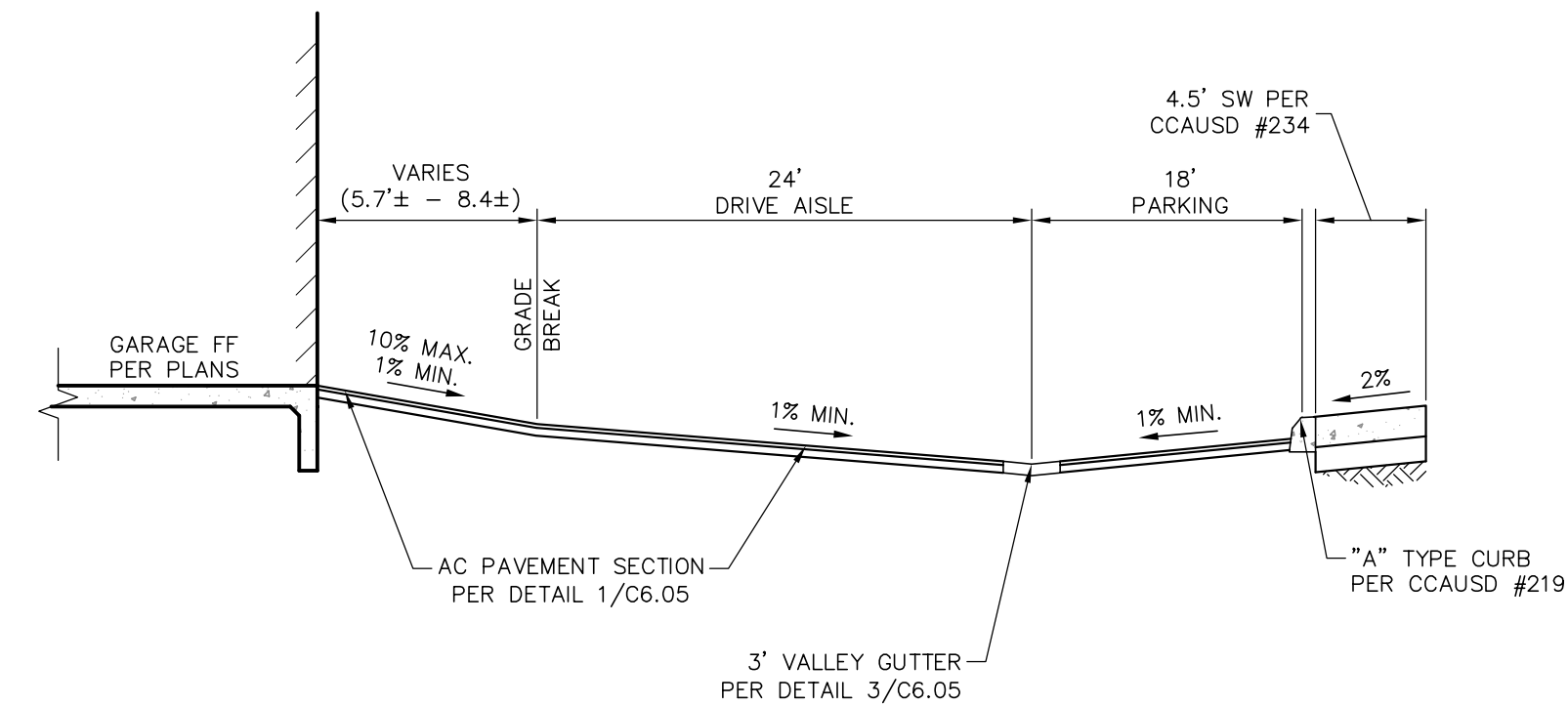
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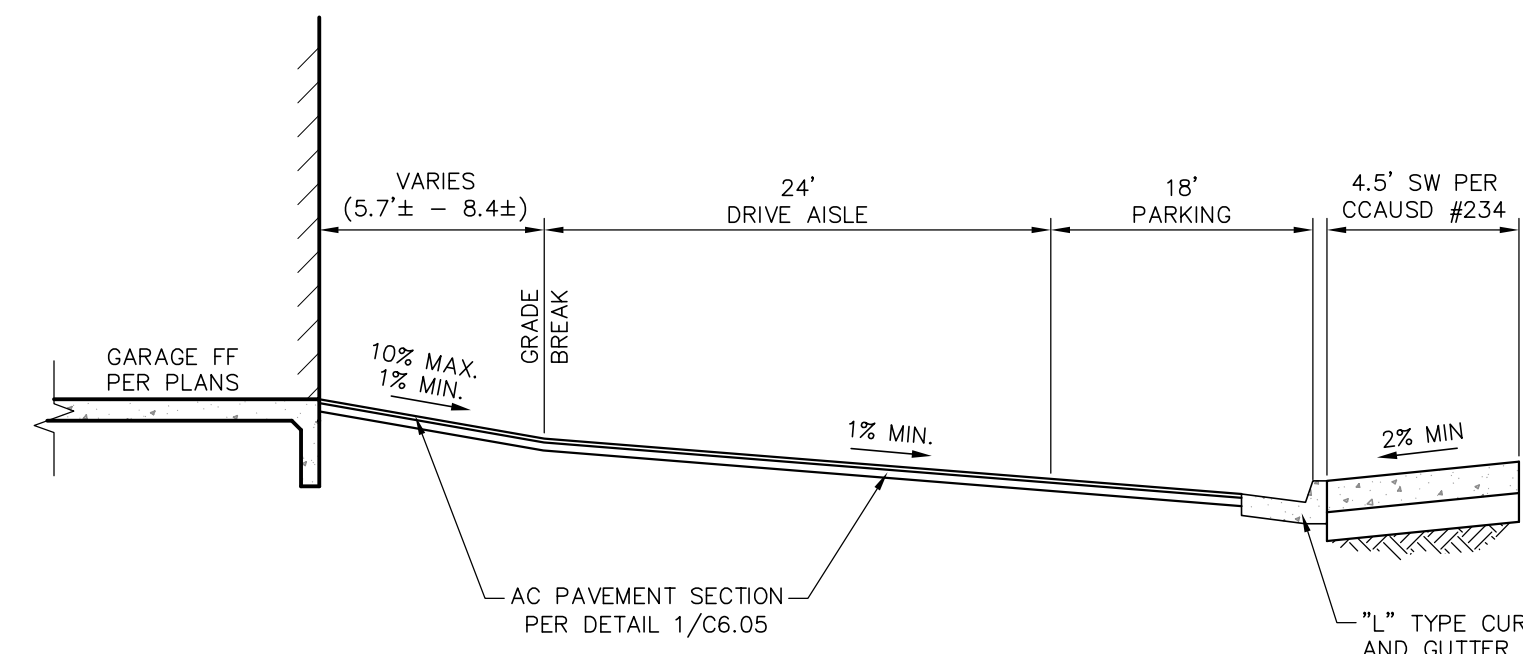
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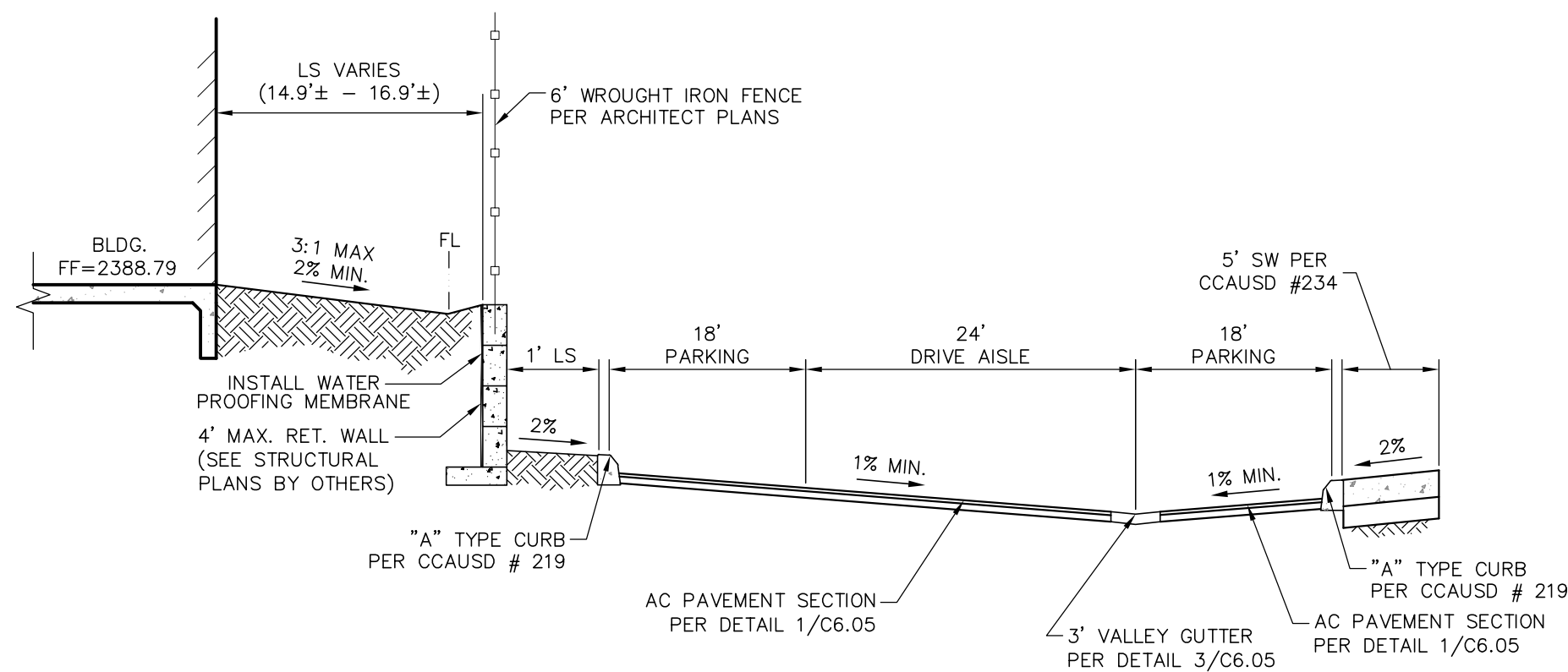
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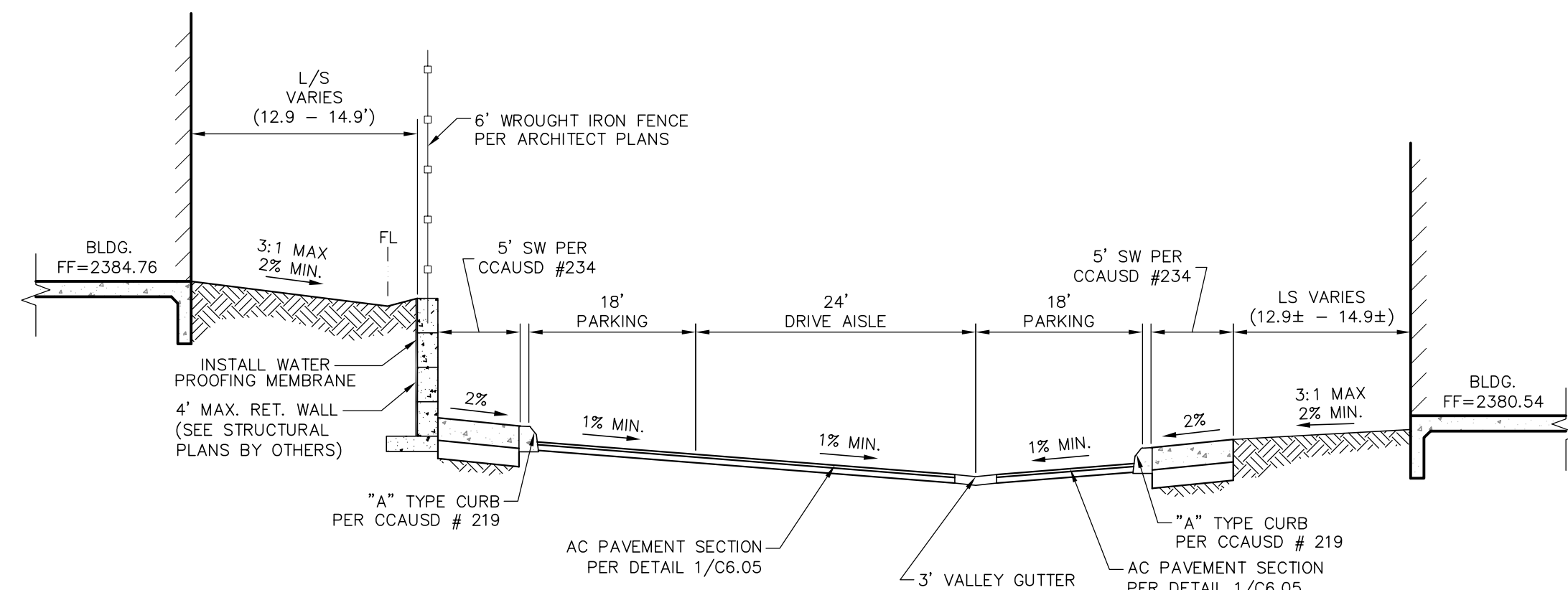
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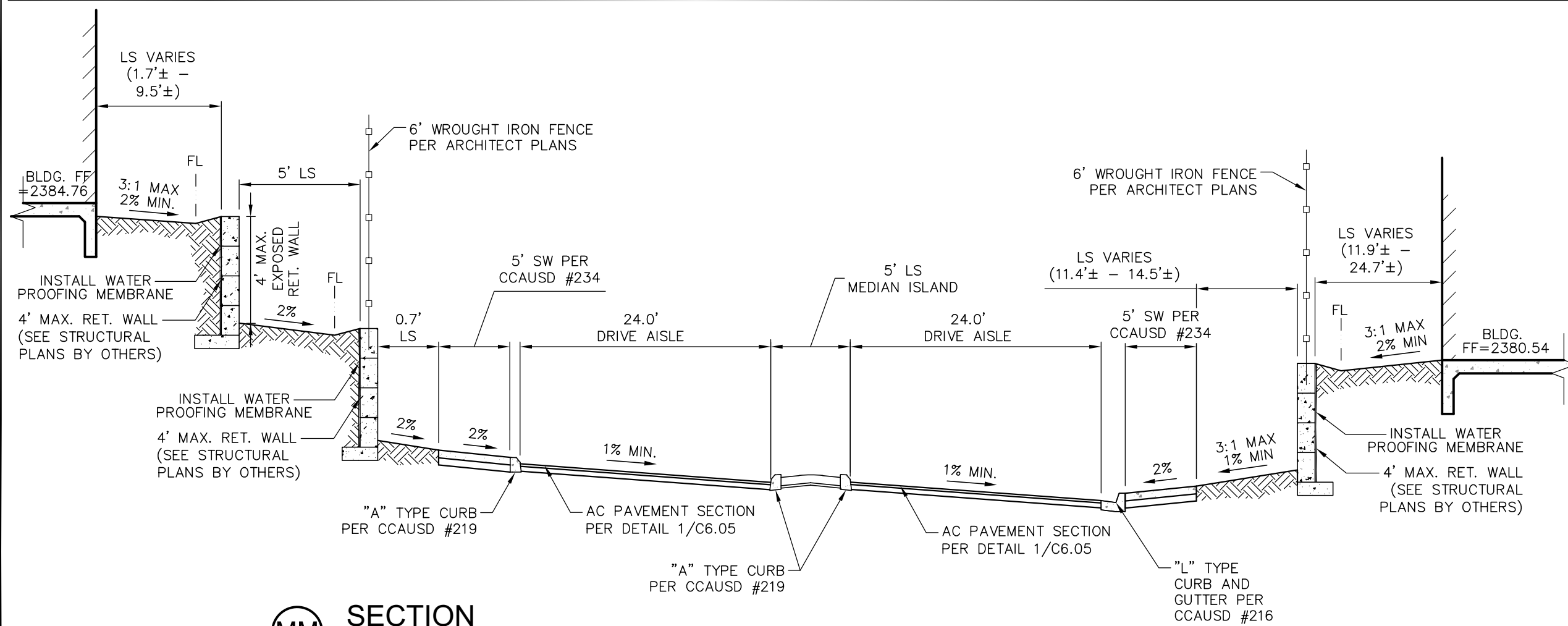
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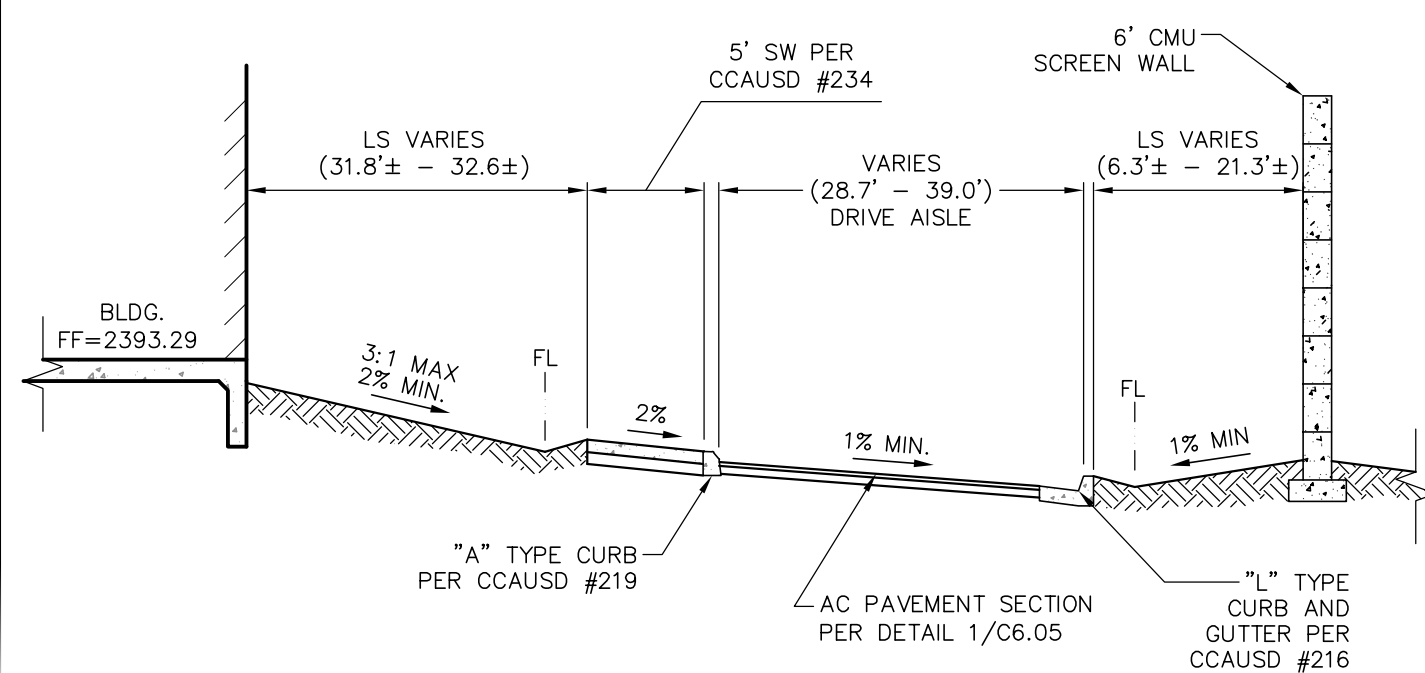
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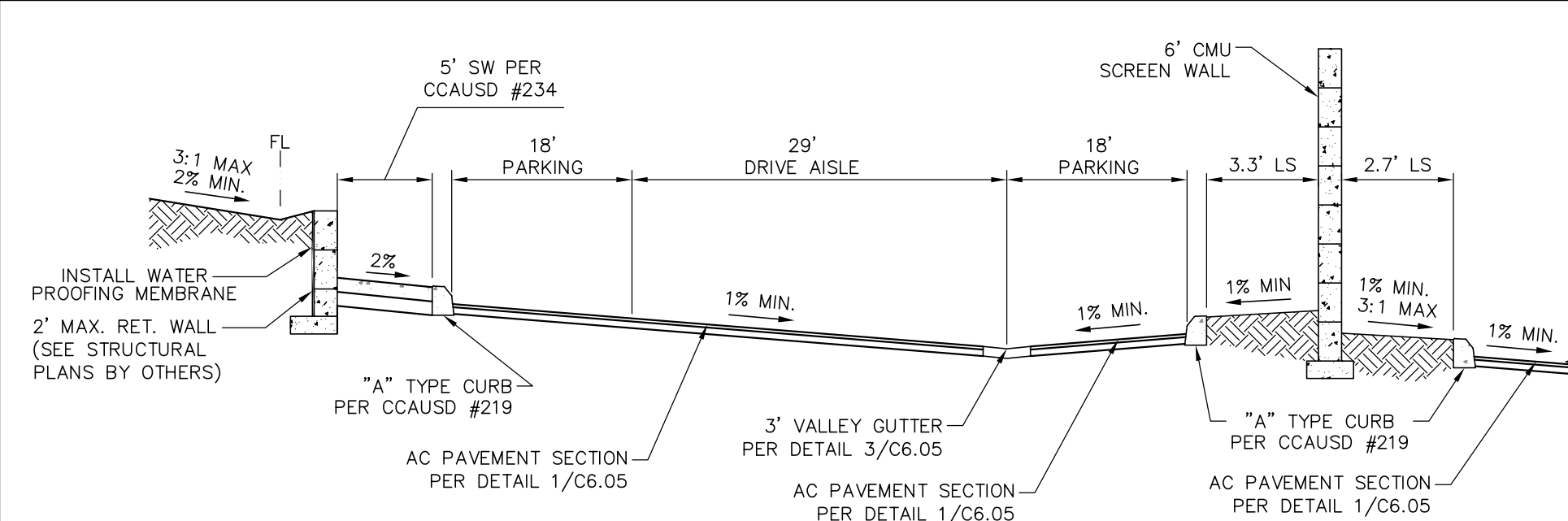
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MM SECTION
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NN SECTION
SCALE: N.T.S.



PP SECTION
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RETAINING WALL BACKFILL NOTE
RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

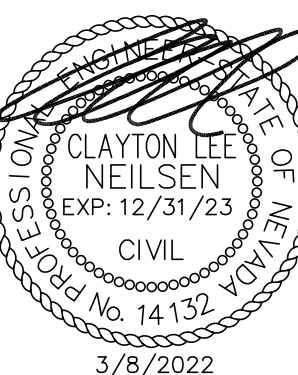
WALL NOTES
1. WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.
2. CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPT.

DESIGNED BY: JA, EV, DG	DRAWN BY: JA, EV, DG	CHKD BY: JA, CN
JOB NUMBER: 2206002	DATE: Mar-22	REVISION
NO.		

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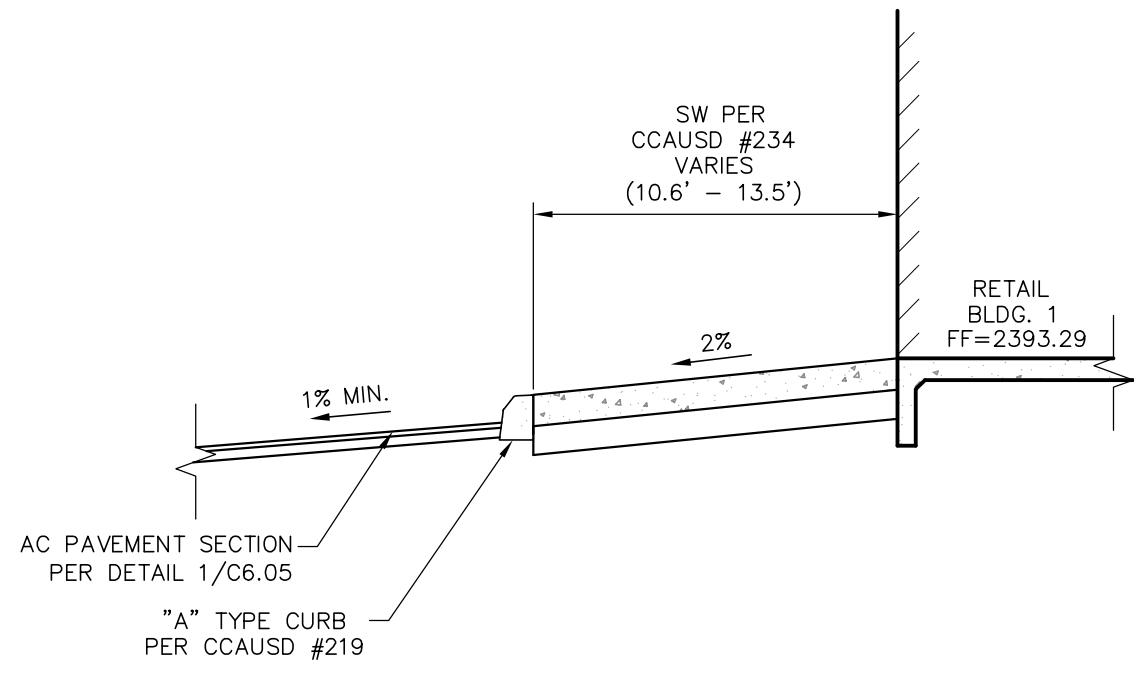
SHIRON DEVELOPMENT LLC

SECTIONS AND DETAILS
VUE APARTMENTS AT CENTENNIAL PHASE III
CITY OF LAS VEGAS, NEVADA

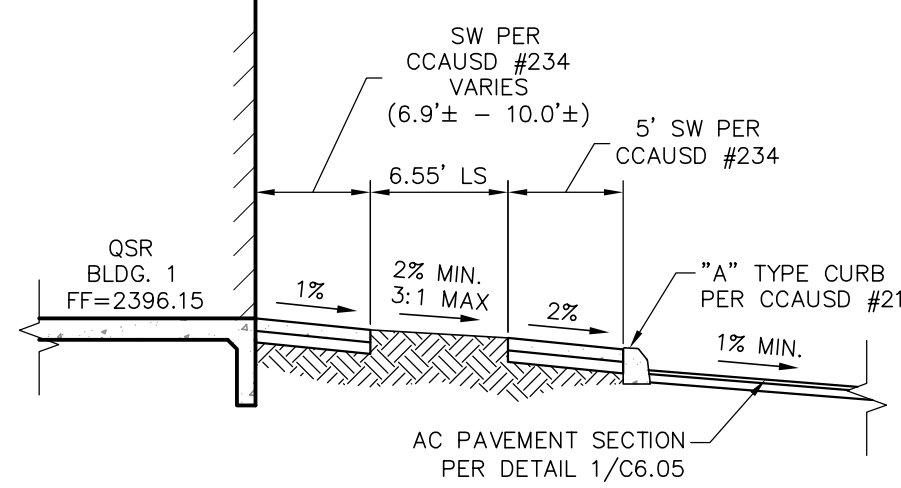


SHEET NUMBER
C6.03
OF 42 SHEETS
CLV# LXX-XXXXX

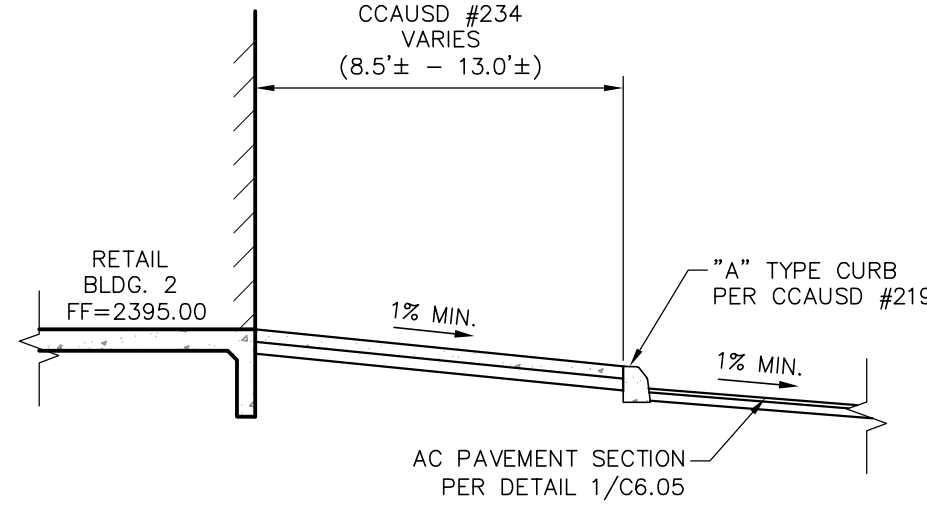
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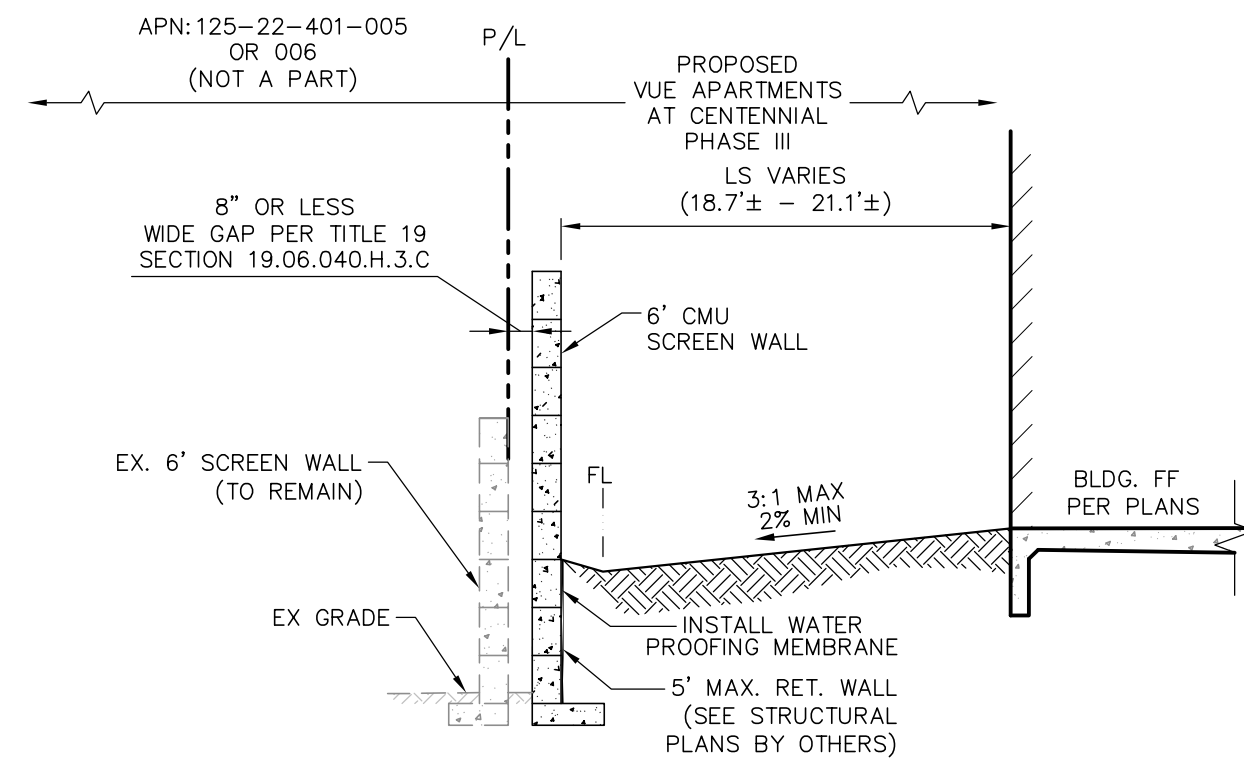
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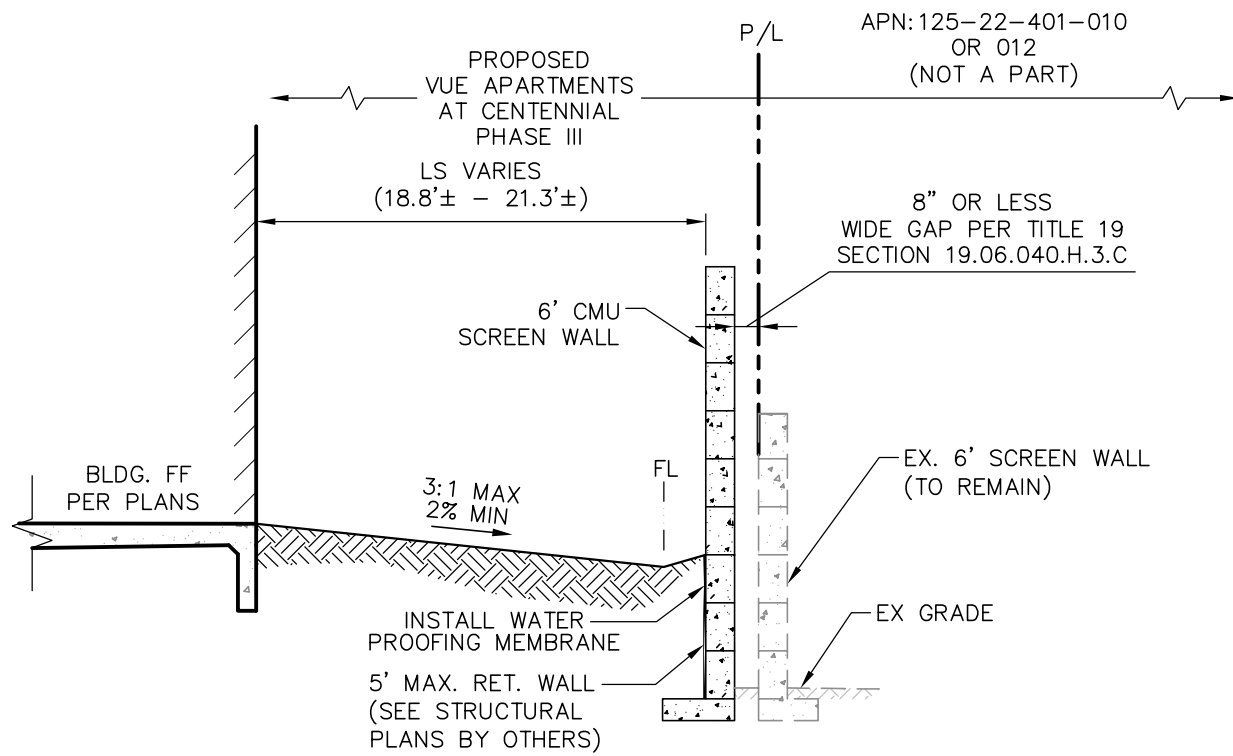
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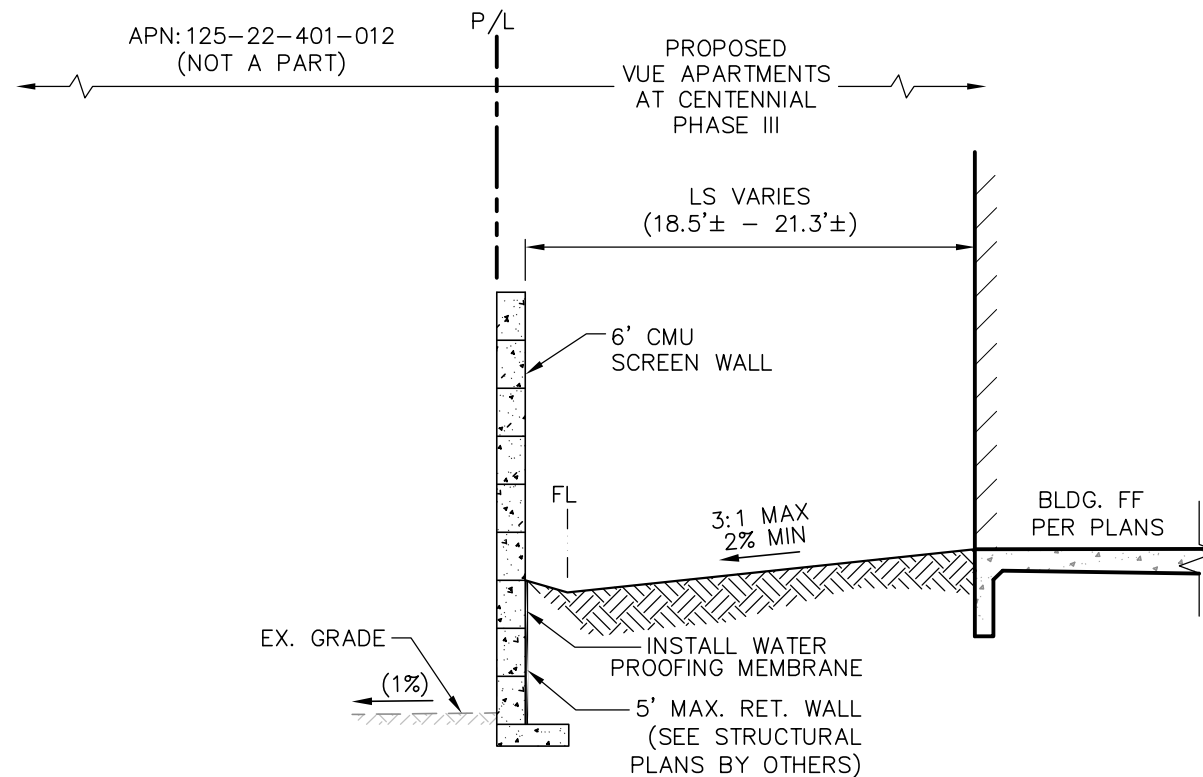
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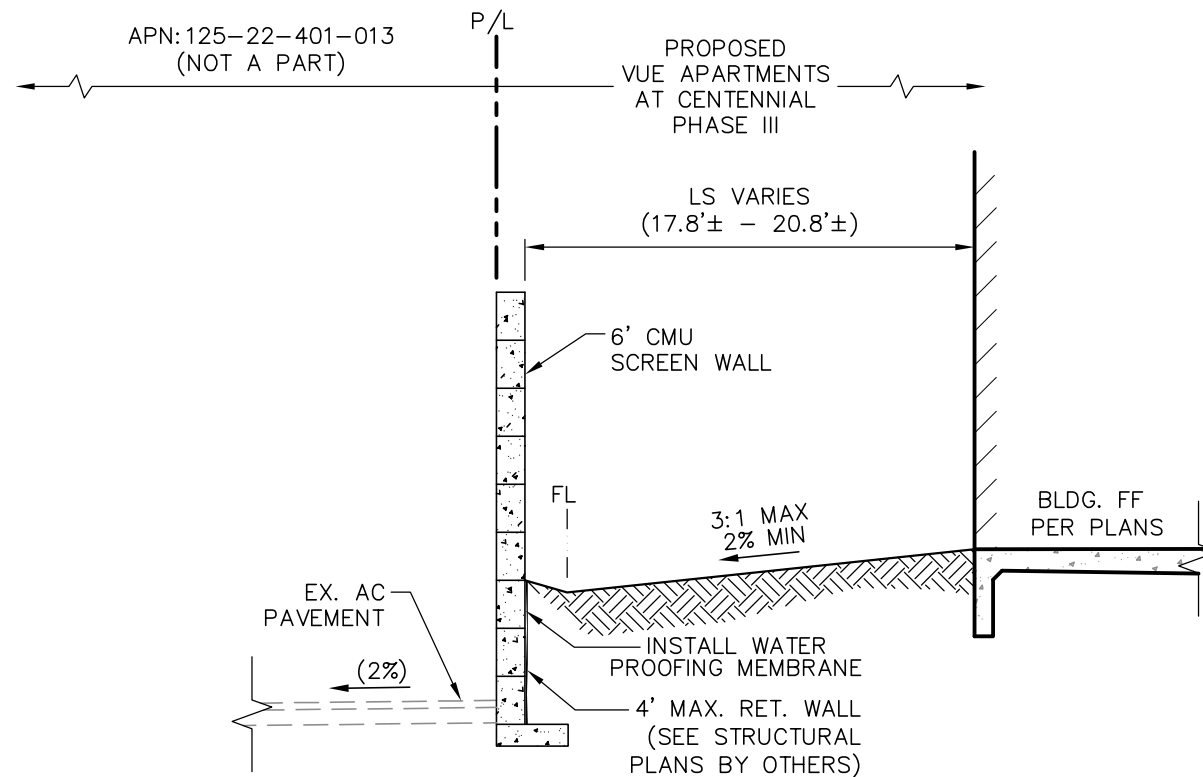
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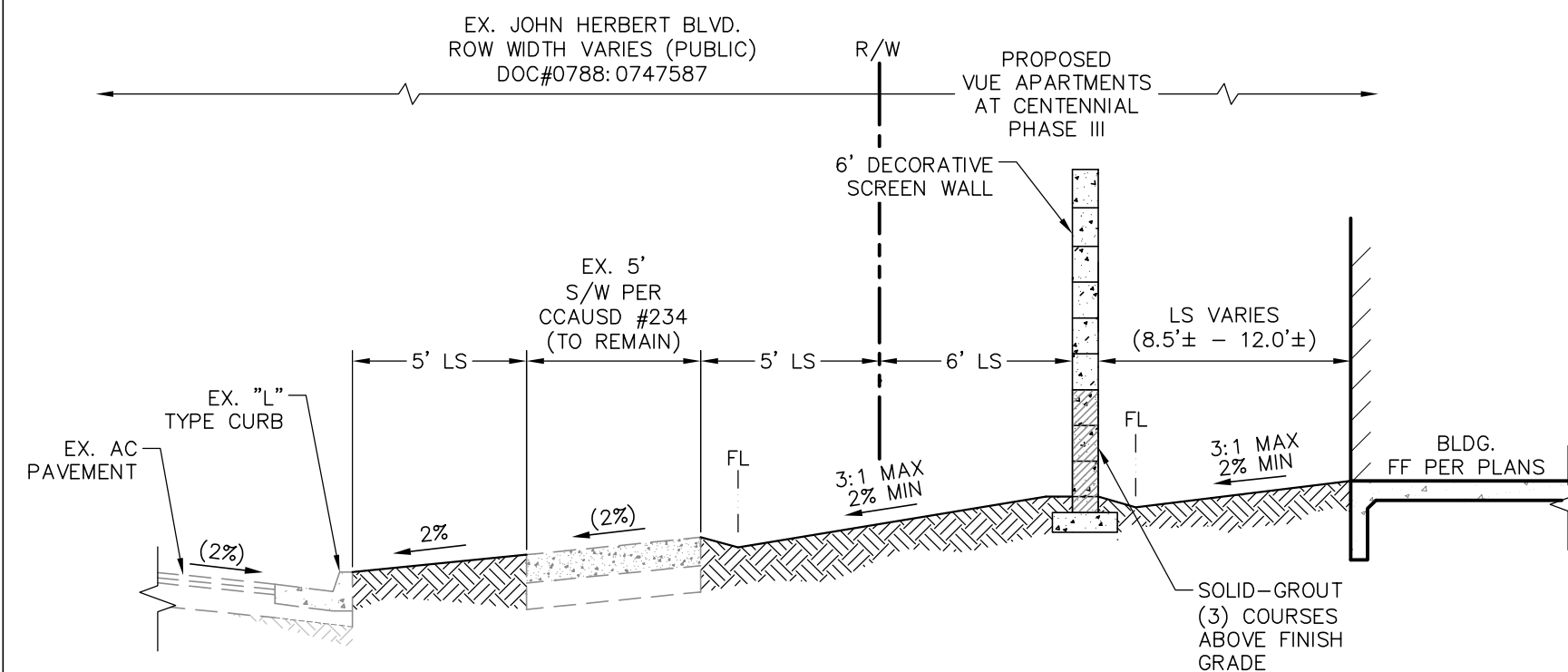
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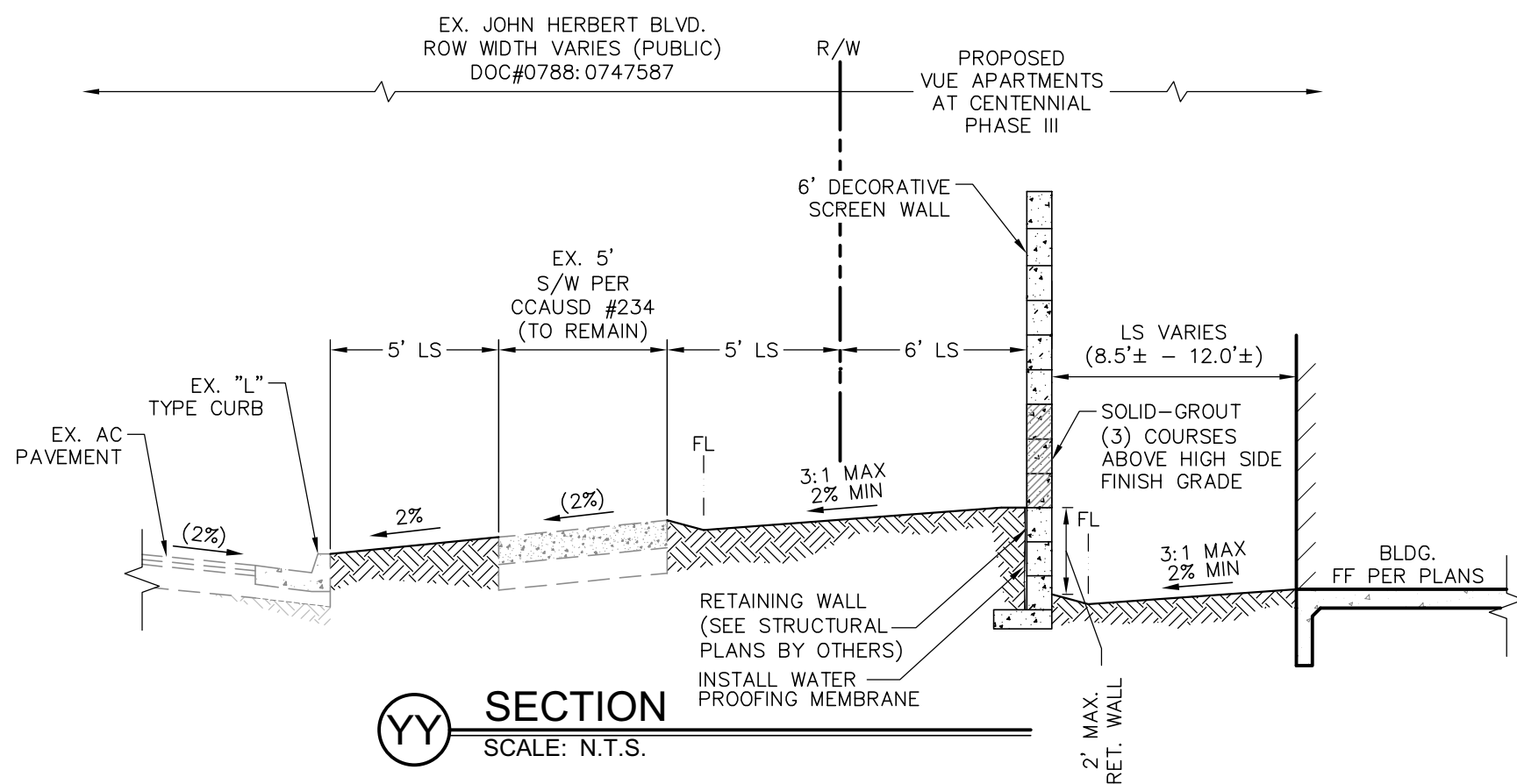
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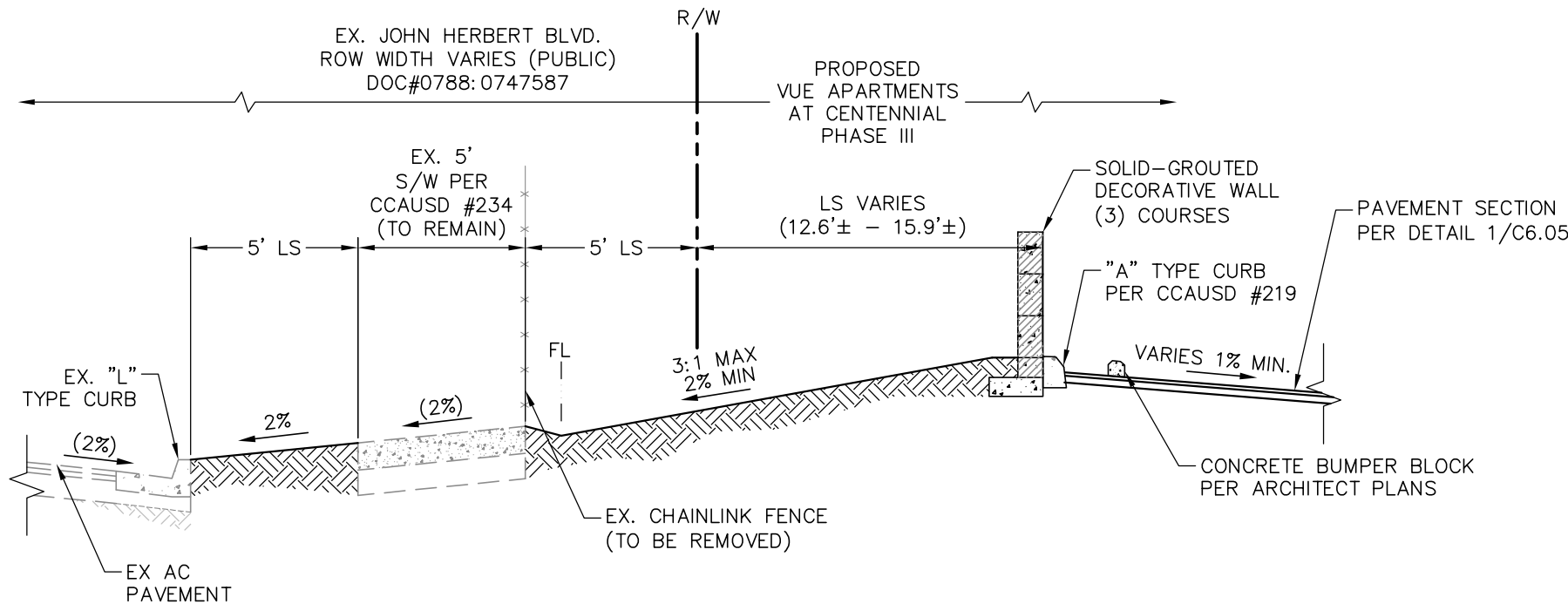
WW SECTION
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XX SECTION
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YY SECTION
SCALE: N.T.S.



ZZ SECTION
SCALE: N.T.S.

**RETAINING WALL
BACKFILL NOTE**

RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS
TO BE PER THE REFERENCED GEOTECHNICAL REPORT

WALL NOTES

1. WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.
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DESIGNED BY: JA, EV, DG	DRAWN BY: JA, EV, DG	CHKD BY: JA, CN
JOB NUMBER: 2206002	DATE: Mar-22	
NO.	REVISION	DATE APPL

L. R. NELSON CONSULTING ENGINEERS, LLC

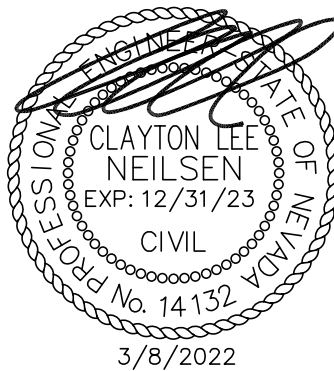
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**SHIRON
DEVELOPMENT
LLC**

**SECTIONS AND DETAILS
VUE APARTMENTS AT
CENTENNIAL PHASE III**

CITY OF LAS VEGAS NEVADA



I:\Land Projects\2206002_Centennial Apartments\DWG\Drawings\2206002-CETM.dwg (DWG) (VLM:RSCA) 2/8/2022 (11:35:45 AM)

NOTE:

★ ALL AGGREGATE BASES SHALL BE COMPACTED PER GEOTECHNICAL REPORT #XXXX. PRELIMINARY PAVEMENT SECTIONS SHALL BE VERIFIED WITH THE FINAL PAVEMENT SECTION RECOMMENDATION REPORT (MPSR) PRIOR TO CONSTRUCTION. IF FINAL PAVEMENT SECTIONS ARE DIFFERENT, A REVISION TO THE IMPROVEMENT PLANS WILL BE REQUIRED.

PAVEMENT SECTION CHART

LOCATION	AC PAVEMENT	TYPE II AGG BASE
INTERIOR DRIVE AND PARKING LANES	2.0"	4.0"
TRUCK/FIRE ACCESS LANE	3.0"	6.0"

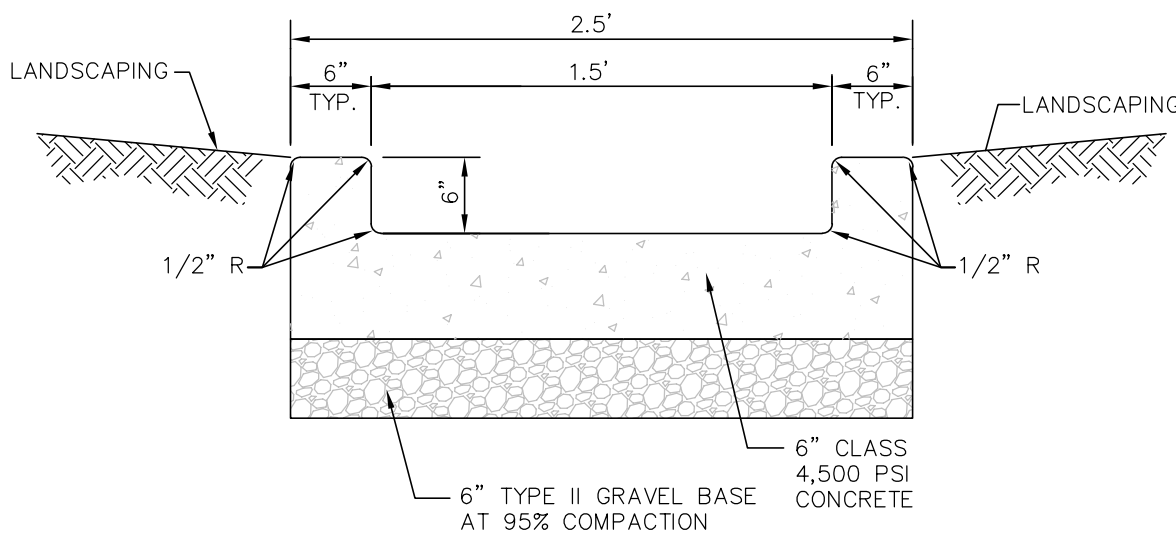
1 PAVEMENT SECTIONS *
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2 CURB OPENING DETAIL
SCALE: N.T.S.

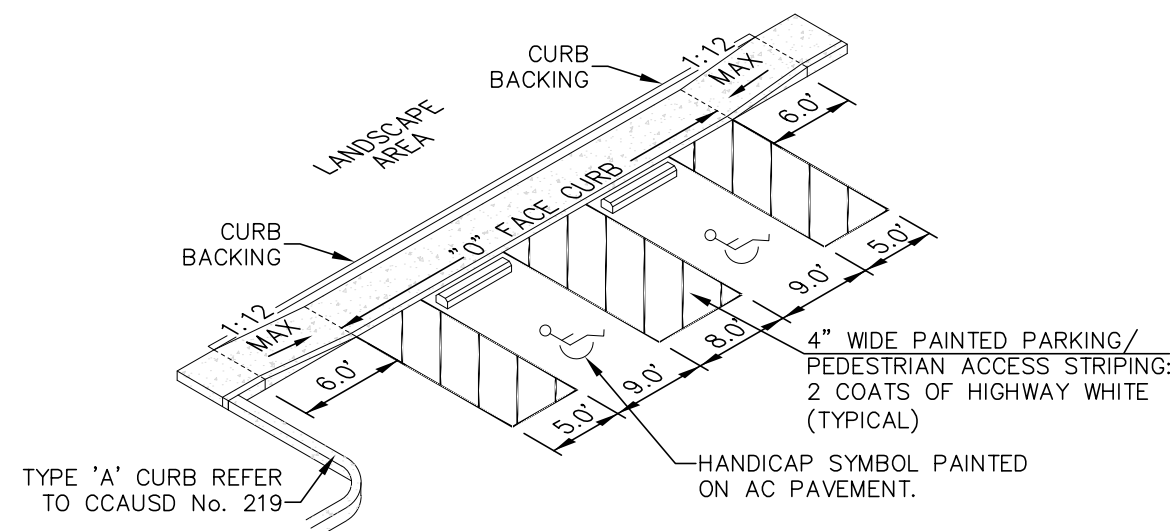
3 3' VALLEY GUTTER
SCALE: N.T.S.

4 U-GUTTER
SCALE: N.T.S.

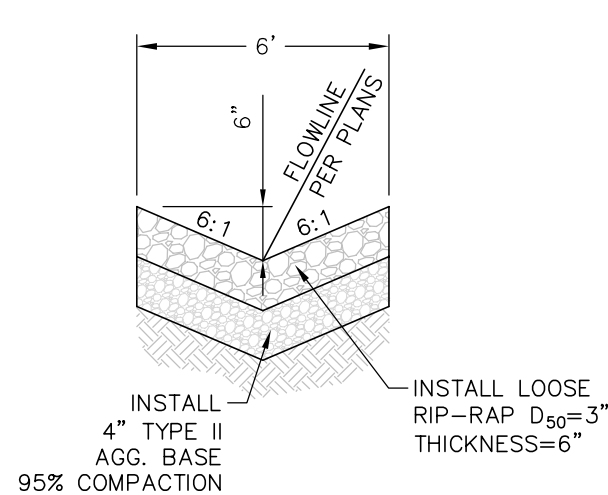
5 2' VALLEY GUTTER
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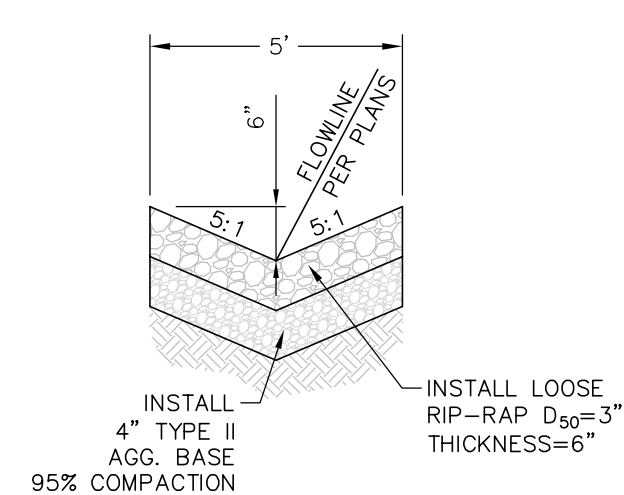
6 U-GUTTER
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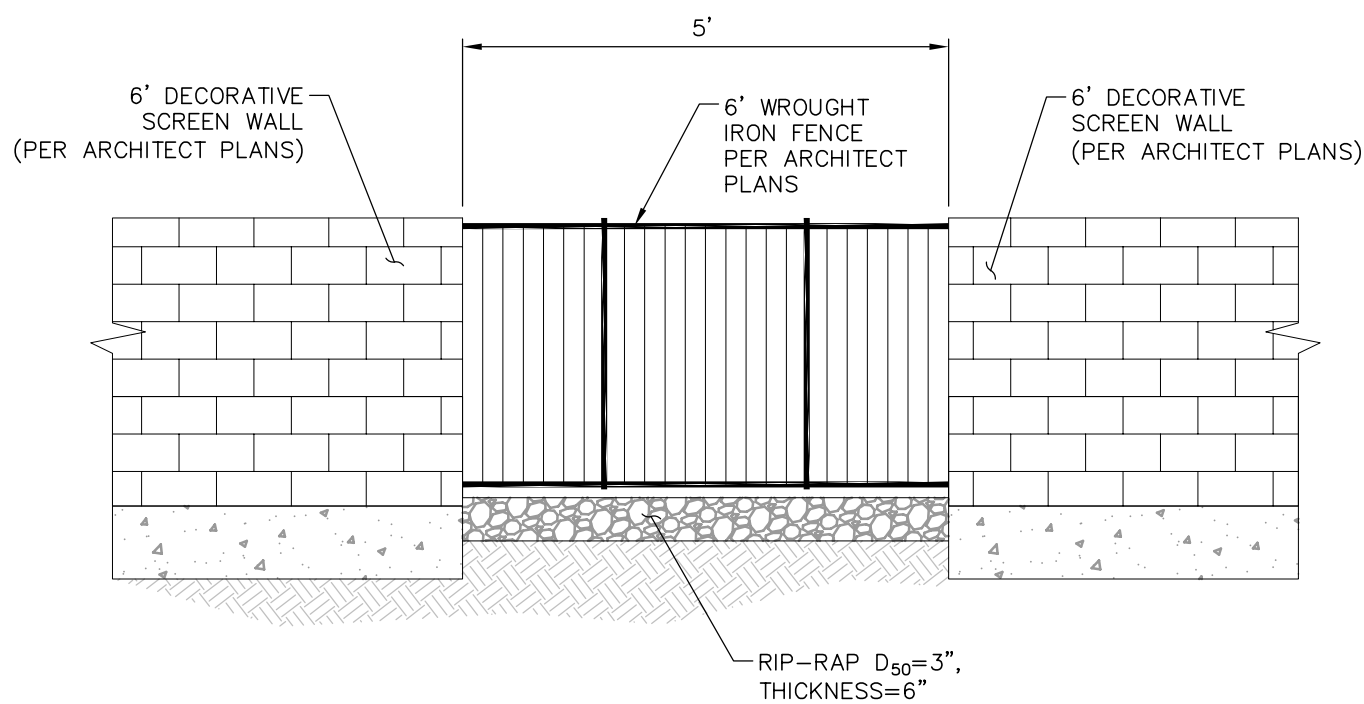
7 HANDICAP AREA
SCALE: N.T.S.



8 BMP SWALE
SCALE: N.T.S.



9 RIPRAP SWALE
SCALE: N.T.S.



10 WROUGHT IRON FENCE
SCALE: N.T.S.

RETAINING WALL
BACKFILL NOTE

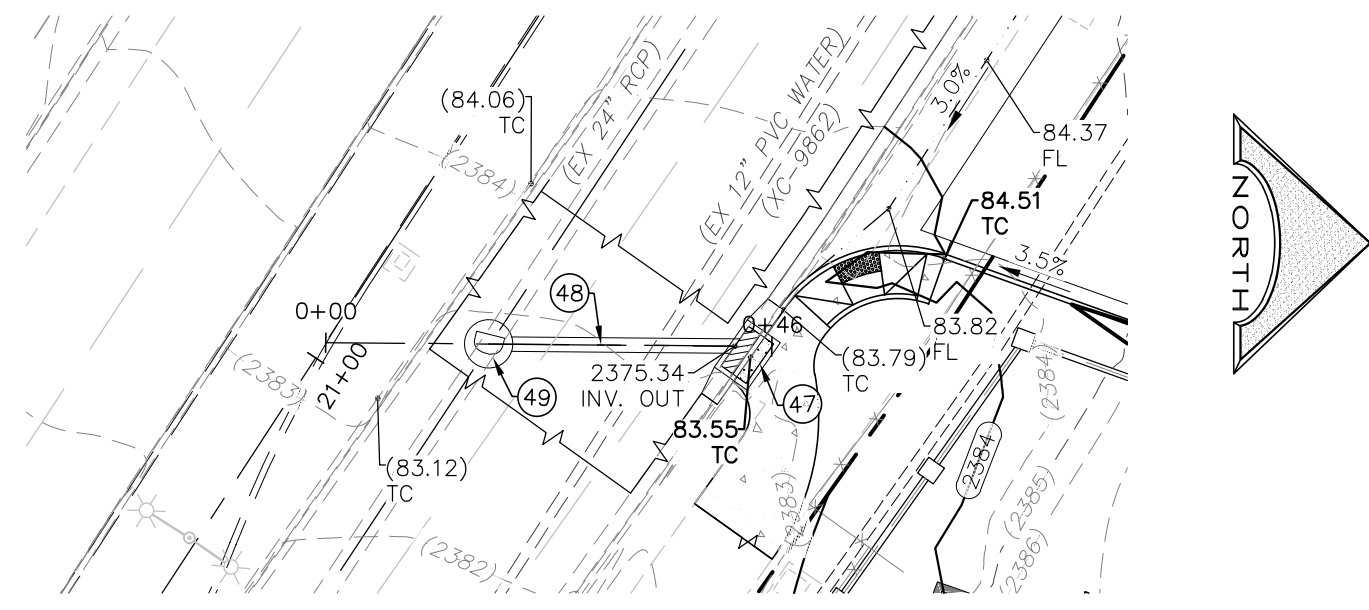
RETAINING WALL BACKFILL DRAINAGE REQUIREMENTS TO BE PER THE REFERENCED GEOTECHNICAL REPORT

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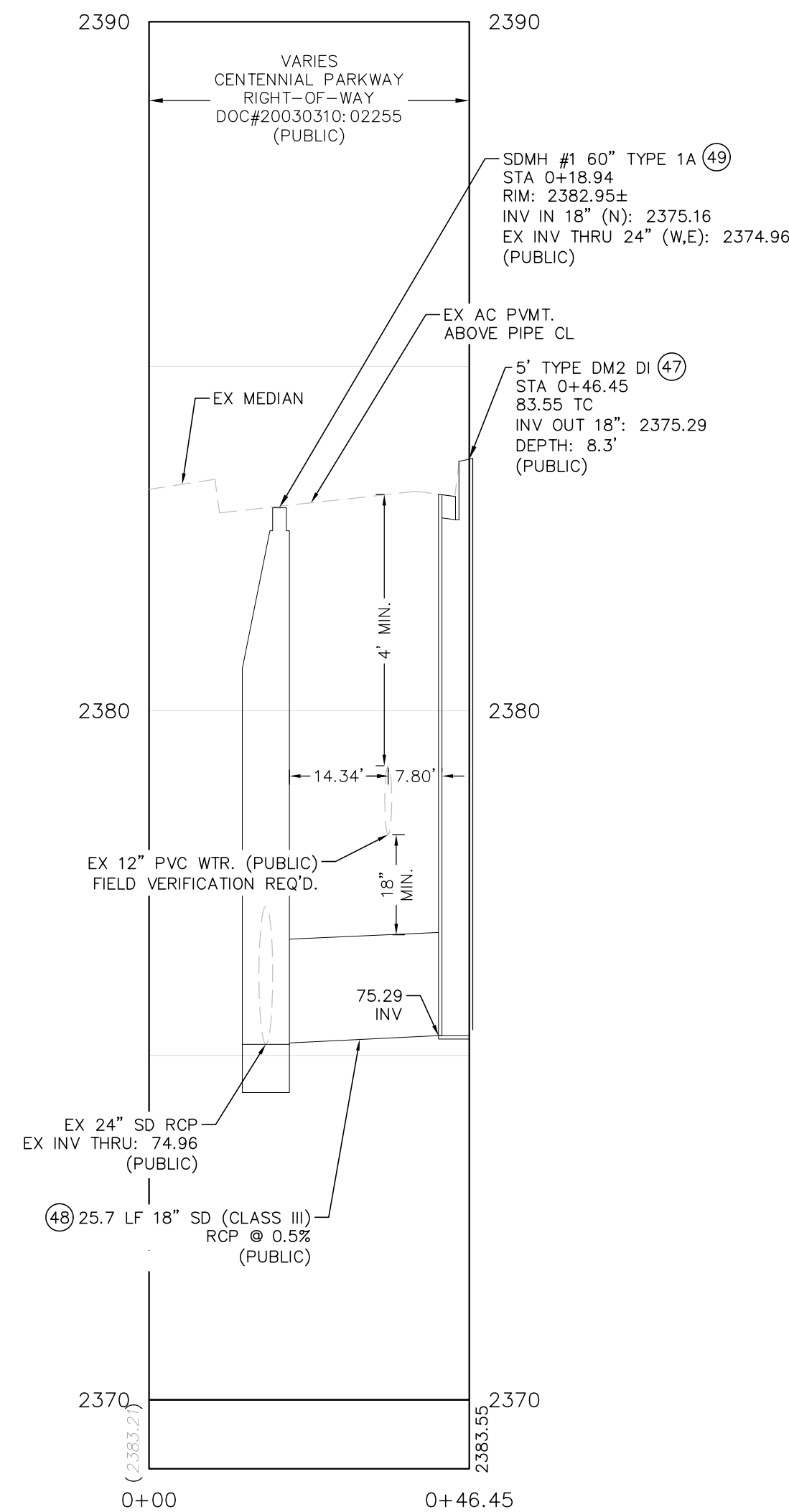
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CONSTRUCTION NOTES

47. CONSTRUCT 5'-TYPE "DM2" DROP INLET PER CCAUSD #412.1.
48. INSTALL 25.7 LF OF 18" RCP (CLASS III) STORM DRAIN @ S=0.50%.
49. CONSTRUCT 60" TYPE 1A SDMH PER CCAUSD #404. (CAST-IN-PLACE)



11 18" SD LATERAL - CENTENNIAL PKWY PROFILE VIEW
SCALE: 1" = 20'



11 18" SD LATERAL - CENTENNIAL PKWY PROFILE VIEW
SCALE: HORIZ.: 1" = 20'
SCALE: VERT.: 1" = 2'

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SECTIONS AND DETAILS
VUE APARTMENTS AT
CENTENNIAL PHASE III
CITY OF LAS VEGAS, NEVADA

CLAYTON L. NELSEN
EXP. 12/31/23
CIVIL
No. 14132
3/8/2022

SHEET NUMBER
C6.05
OF 42 SHEETS
CLV# LXX-XXXXX