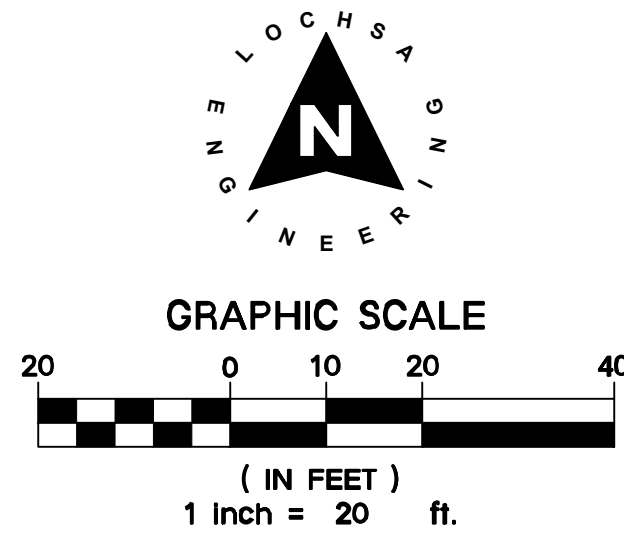
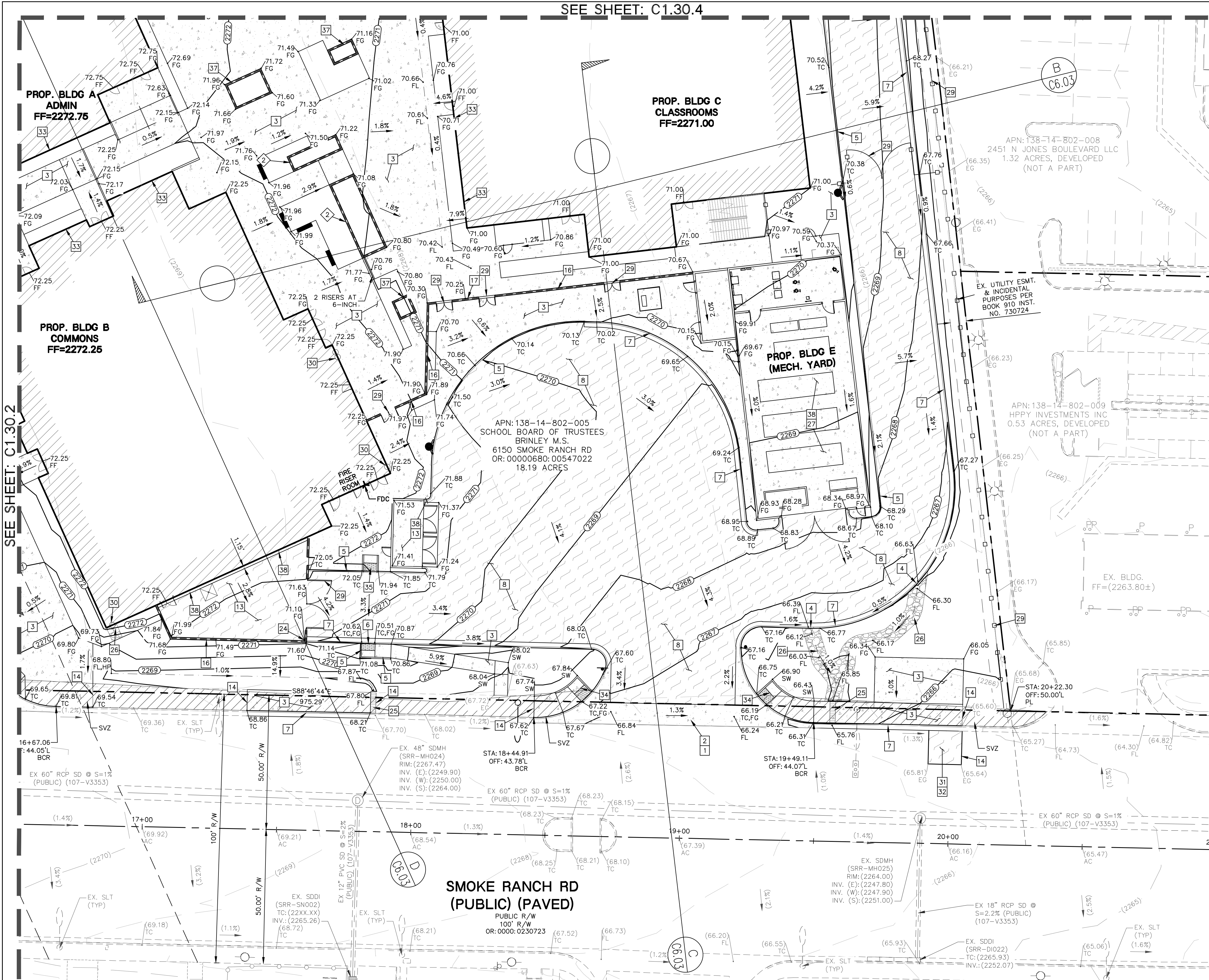


SEE SHEET: C1.30.4



ADJUSTMENT, RELOCATION & RESTORATION NOTE:

CONTRACTOR IS RESPONSIBLE TO RESTORE/ REPLACE SURFACE IMPROVEMENTS AS NECESSARY TO PROVIDE SURFACING CONSISTENT WITH EXISTING AND ADJACENT IMPROVEMENTS IN ALL AREAS IN WHICH EXISTING IMPROVEMENTS REQUIRE ADJUSTMENT, RELOCATION, RESTORATION OR REMOVAL (INCLUDING, BUT NOT LIMITED TO THE POSSIBLE RELOCATION OF PLANTERS, LIGHTING IMPROVEMENTS, COMMUNICATIONS, SANITARY SEWER CLEAN-OUTS, DRAINS, WATER IMPROVEMENTS, ETC.). CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE AND TO PROVIDE CONTINUED SERVICE TO ALL IMPACTED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE SITE CONDITIONS PRIOR TO BIDDING TO IDENTIFY AND QUANTIFY ANY CONCERNS ASSOCIATED WITH THE RELOCATION OF IMPROVEMENTS.

NOTE:
ADD 2200 FEET TO ALL ELEVATIONS ON PLAN

EXISTING UTILITY NOTE:
CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

**MAX 2% H.S. BUILDING FF
MIN. 6% L.S.**

TYPICAL GRADING IN LANDSCAPE AREAS AWAY FROM BUILDING

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	8.756	NA	8.756
CUT	14,498.58 CY	NA	14,498.58 CY
FILL	24,320.77 CY	NA	24,320.77 CY
NET	9,822.20 CY (FILL)	NA	9,822.20 CY (FILL)

GEOTECHNICAL:
ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE SOILS REPORT
PREPARED BY:
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC
DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1.

RETAINING WALL CONSTRUCTION NOTES

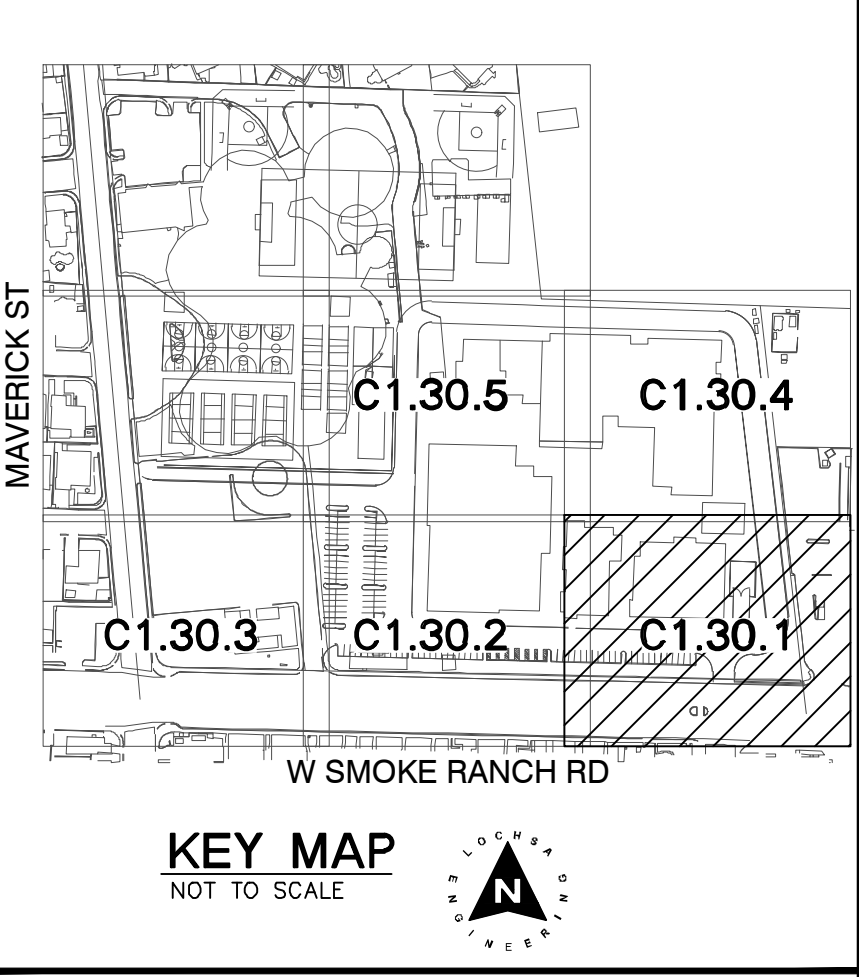
- PLEASE REFERENCE LANDSCAPE PLANS FOR CONCRETE FINISHES FOR ON-SITE RETAINING WALLS
- CONSTRUCT 5' MAX RET. WALL PER DETAIL 1/C7.02
 - CONSTRUCT 3.5' MAX RET. WALL PER DETAIL 2/C7.02. TOP OF WALL TO BE 18" ABOVE FINISH GRADE.
 - CONSTRUCT 8' MAX RET. WALL PER DETAIL 3/C7.02
 - CONSTRUCT 4' MAX RET. WALL PER DETAIL 4/C7.02

GRADING PLAN CERTIFICATION

NAME: EDGAR LEON PE #21493 DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

SIGHT VISIBILITY ZONE (SVZ)

NOTE:
NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR MAINTAINED WITHIN THE SVZ UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 2.5' IN HEIGHT MEASURED FROM TOP OF CURB OR WHERE NO CURB EXISTS, A HEIGHT OF 27" MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SVZ VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.



CONSTRUCTION NOTES:

ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDCCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.

- CONSTRUCT COMMERCIAL DRIVEWAY PER USDCCA 222.1 AND 225.
- CONSTRUCT CROSS GUTTER PER USDCCA No. 228.
- CONSTRUCT CONCRETE SIDEWALK PER USDCCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
- CONSTRUCT 2" WIDE CURB OPENING PER DETAIL 7/C6.01.
- CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
- CONSTRUCT "O"-INCH CURB FACE PER DETAIL 1/C6.01.
- CONSTRUCT "L" TYPE CURB PER USDCCA No. 216.
- CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 3/C6.01
- CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 3/C6.01.
- CONSTRUCT SIDEWALK RAMP CASE I PER USDCCA No. 235.
- CONSTRUCT SIDEWALK RAMP CASE II PER USDCCA No. 235.
- INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS.
- SAWCUT & MATCH EXISTING GRADE.
- MATCH EXISTING GRADE.
- CONSTRUCT 6' TALL SCREEN WALL PER SNOBRS B-100-1.
- CONSTRUCT BLOCK WALL OPENING PER DETAIL 14/C6.01.
- CONSTRUCT RAMP PER DETAIL 13/C6.01.
- CONSTRUCT 4' MODIFIED WIDE SIDEWALK UNDER DRAIN.
- PLANTERS PER LANDSCAPE PLANS.
- CONSTRUCT 4' WIDE CURB OPENING PER DETAIL 7/C6.01.
- CONSTRUCT 30" MODIFIED ROLL CURB PER USDCCA.
- CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
- CONSTRUCT BLOCK WALL OPENING BY OMITTING 1 BLOCK.
- CONSTRUCT 2' WIDE SIDEWALK UNDER DRAIN PER DETAIL USDCCA No. 236.
- CONSTRUCT 6' WIDE RIP-RAP SWALE. D₅₀=4", T=8" PER DETAIL 8/C6.01.
- CONSTRUCT MECHANICAL YARD PER PLUMBING PLANS.
- INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- FENCE/GATE PER ARCHITECTURAL PLANS.
- CONSTRUCT DOWNSPOUT WITH SPLASH PAD PER MEP PLANS.
- CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 3/C6.01
- CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDCCA 500.5 AND 501
- FLOODPROOF MEMBRANE 1' ABOVE PROPOSED FINISH GRADE ELEVATIONS
- CONSTRUCT ONSITE RAMP PER DETAIL 13/C6.01
- CONSTRUCT ONSITE RAMP PER DETAIL 15/C6.01
- CONSTRUCT MOW CURB PER LANDSCAPE PLANS
- CONSTRUCT WALL PLANTER 1'-8" ABOVE FINISH GRADE PER LANDSCAPE PLANS
- CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01

UTILITY NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

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

FAST
Call before you Dig
Underground

1-800-842-2444

1-702-227-2929

REVISIONS:

REV.	DESCRIPTION	DATE

ENGINEER: EDGAR LEON
EXP. 12/31/2023
CIVIL
No. 21493

05/26/2023

JCO
EL
BIO SET
22-017

05/26/2023

LOCHSA PROJECT NO. 22005

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE: J. HAROLD BRINLEY MS - REPLACEMENT

DRAWING TITLE: PHASE 1 GRADING PLANS

SHEET 19 OF 57

CLV NO.: XXXX-XXXX
CLV DWG#: XXXXXXXX

C1.30.1

LOCHSA ENGINEERING
8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148
(702) 251-8896 - FAX (702) 251-8876 - WWW.CSDARCHITECTURE.COM
THIS DRAWING IS THE PROPERTY OF LOCHSA ENGINEERING. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF LOCHSA ENGINEERING.

CONSULTANT:

CONSTRUCTION MGMT: DATE:

BUILDING DEPARTMENT:
CODE COMPLIANCE:

ASBESTOS WORK IS:
REQUIRED ☒ NOT REQUIRED ☐

MPID: 0001643

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE: J. HAROLD BRINLEY MS - REPLACEMENT

DRAWING TITLE: PHASE 1 GRADING PLANS

SHEET 19 OF 57

CLV NO.: XXXX-XXXX
CLV DWG#: XXXXXXXX

C1.30.1

STORMWATER MANAGEMENT NOTES:

- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT (2.0 INCHES OR MORE). THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, INSPECTIONS SECTION.
- ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTIONS IN THE MANNER PRESCRIBED BY CLARK COUNTY, INCLUDING BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

GRADING NOTES:

- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
- CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, AND COMPACTION. REFER TO THE REPORT "PREPARED BY GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1"

SPECIAL NOTE TO CONTRACTOR:

EXISTING IRRIGATION, LANDSCAPING, ELECTRICAL, LIGHTING, SIGNAGE AND OTHER EXISTING IMPROVEMENTS MAY BE IMPACTED BY PROPOSED CONSTRUCTION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS AND IDENTIFY CONFLICTS. CONTRACTOR SHALL COORDINATE WITH SITE FACILITIES AND ENGINEERING STAFF TO REMOVE AND/OR RELOCATE ANY AND ALL IMPROVEMENTS IN CONFLICT.

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND INCORPORATED AREAS. COMMUNITY PANEL NUMBER: 32003C2155F, DATED NOVEMBER 16, 2011, REVISED TO REFLECT LOMR DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE "X" (UNSHADED), DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NOTE:

CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO DIGGING AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE STORMWATER RUNOFF CHANNELS, OR ANY OTHER RECEIVING WATER BODY, PRIOR TO THE SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS, AS SOON AS PRACTICABLE AND BEFORE ANY RAINFALL OR OTHER WEATHER EVENT THAT COULD CAUSE ACTIVATION OF THE SITE SATED TEMPORARY OR PERMANENT STABILIZATION. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NV1R000000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT, THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE, AND EXIT LOCATIONS, AND ALL BMPs WEEKLY OR MORE OFTEN, AFTER EACH RAINFALL EVENT OF ONE INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL REPORT, WRITE, AND/OR MODIFY THE STORMWATER/POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY TO SUCH SUBMITTAL ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NV1R000000, INSPECTIONS SECTION.
5. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
6. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTIONS IN THE MANNER PRESCRIBED BY CLARK COUNTY, INCLUDING BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

1. SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL MEASURES. THE PROTECTIVE MEASURES SHALL BE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
2. CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON GRADING PLANS. ADDITIONALLY, STRUCTURE COSTS SHALL BE INCLUDED IN THE BUDGET OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
4. CONTRACTOR TO ENSURE POSITIVE DRAINAGE; NO PONDING ALLOWED; CONTRACTOR TO OBTAIN COMMENTS FROM LOCHSA ENGINEERING ON THE PROJECT GEOTECHNICAL REPORTS, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, AND COMPACTION. REFER TO THE LOCHSA ENGINEERING REPORT DATED APRIL 21, 2023 PROJECT NO. 20226020E1. FOR THE 2024, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1.

EXISTING IRRIGATION, LANDSCAPING, ELECTRICAL, LIGHTING, SIGNAGE AND OTHER EXISTING IMPROVEMENTS MAY BE IMPACTED BY PROPOSED CONSTRUCTION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS AND IDENTIFY CONFLICTS. CONTRACTOR SHALL COORDINATE WITH SITE FACILITIES AND ENGINEERING STAFF TO REMOVE AND/OR RELOCATE ANY AND ALL IMPROVEMENTS IN CONFLICT.

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND INCORPORATED AREAS, COMMUNITY PANEL NUMBER: 32003C2155F, DATED NOVEMBER 16, 2011, REVISED TO REFLECT MAP DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE "X" (UNSHADED), DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NOTE:

CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO DIGGING AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

NOTE:

NAME: EDGAR LEON	PE #21493	DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.		

Diagram illustrating the sight triangle for a vehicle approaching a street intersection. The diagram shows a vehicle (car) approaching from the left and a vehicle (truck) approaching from the top. The sight triangle is defined by the sight line and the sight distance. The sight distance is labeled as 27 feet. The sight line is labeled as "SIGHT VISIBILITY LINE" and "SIGHT AREA".



CONTRACTOR IS RESPONSIBLE TO RESTORE/ REPLACE SURFACE IMPROVEMENTS AS NECESSARY TO PROVIDE SURFACING CONSISTENT WITH EXISTING AND ADJACENT IMPROVEMENTS IN ALL AREAS IN WHICH EXISTING IMPROVEMENTS REQUIRE ADJUSTMENT, RELOCATION, RESTORATION OR REMOVAL (INCLUDING, BUT NOT LIMITED TO, POSSIBLE RELOCATION OF PLANTERS, LIGHTING IMPROVEMENTS, COMMUNICATIONS, SANITARY SEWER CLEAN-OUTS, DRAINS, WATER IMPROVEMENTS, ETC.). CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE AND TO PROVIDE CONTINUED SERVICE TO ALL AFFECTED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE SITE CONDITIONS PRIOR TO BIDDING TO IDENTIFY AND QUANTIFY ANY CONCERNS ASSOCIATED WITH THE RELOCATION OF IMPROVEMENTS.

ADD 2200 FEET TO ALL ELEVATIONS ON PLAN

EXISTING UTILITY NOTE:
CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO
MATCH PROPOSED FINISH GRADE ELEVATIONS.

MATCH PROPOSED FINISH GRADE ELEVATIONS.

**TYPICAL GRADING IN LANDSCAPE AREAS
AWAY FROM BUILDING**

EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	8.756	NA	8.756
CUT	14,498.58 CY	NA	14,498.58 CY
FILL	24,320.77 CY	NA	24,320.77 CY
NET	9,822.20 CY (FILL)	NA	9,822.20 CY (FILL)

ALL GRADING SHALL BE PERFORMED IN COMPLIANCE
WITH THE SOILS REPORT
PREPARED BY:
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC
DATED: AUGUST 24, 2022, UPDATED: APRIL 21,
2023 PROJECT NO. 20226020E1,

PLEASE REFERENCE LANDSCAPE PLANS FOR
CONCRETE FINISHES FOR ON-SITE RETAINING WALLS.

1	CONSTRUCT 5' MAX RET. WALL PER DETAIL 1/C7.02
2	CONSTRUCT 3.5' MAX RET. WALL PER DETAIL 2/C7.02. TOP OF WALL TO BE 18" ABOVE FINISH GRADE.
3	CONSTRUCT 8' MAX RET. WALL PER DETAIL 3/C7.02
4	CONSTRUCT 4' MAX RET. WALL PER DETAIL 4/C7.02

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND CABLE LINES. FOR ALL UTILITIES NOT SHOWN ON THIS CONSTRUCTION PLAN, IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.



- ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDCCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.

- 1] CONSTRUCT COMMERCIAL DRIVEWAY PER USDOCCA 222.1 AND 225.
- 2] CONSTRUCT CROSS GUTTER PER USDOCCA No. 228.
- 3] CONSTRUCT CONCRETE SIDEWALK PER USDOCCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
- 4] CONSTRUCT 2" WIDE CURB OPENING PER DETAIL 7/C6.01
- 5] CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
- 6] CONSTRUCT "O"-INCH CURB FACE PER DETAIL 1/C6.01.
- 7] CONSTRUCT "L" TYPE CURB PER USDOCCA No. 216.
- 8] CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 13/C6.01.
- 9] CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 9/3/C6.01.
- 10] CONSTRUCT SIDEWALK RAMP CASE I PER USDOCCA No. 235.
- 11] CONSTRUCT SIDEWALK RAMP CASE II PER USDOCCA No. 235.
- 12] INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- 13] CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS.
- 14] SAWCUT & MATCH EXISTING GRADE.
- 15] MATCH EXISTING GRADE.
- 16] CONSTRUCT 6' TALL SCREEN WALL PER SBNORS B-100-1.
- 17] CONSTRUCT BLOCK WALL OPENING PER DETAIL 14/C6.01.
- 18] CONSTRUCT RAMP PER DETAIL 13/C6.01.
- 19] CONSTRUCT 4" MODIFIED WDE SIDEWALK UNDER DRAIN.
- 20] PLANTERS PER LANDSCAPE PLANS.
- 21] CONSTRUCT 4" WDE CURB OPENING PER DETAIL 7/C6.01
- 22] CONSTRUCT 30" MODIFIED ROLL CURB PER USDOCCA.
- 23] CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
- 24] CONSTRUCT BLOCK WALL OPENING BY OMITTING 1 BLOCK
- 25] CONSTRUCT 2" WDE SIDEWALK UNDER DRAIN PER DETAIL USDOCCA No. 236.
- 26] CONSTRUCT 6" WDE RIP-RAP SWALE. $D_{50}=4"$, $T=8"$ PER DETAIL 8/C6.01.
- 27] CONSTRUCT MECHANICAL YARD PER PLUMBING PLANS.
- 28] INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- 29] FENCE/GATE PER ARCHITECTURAL PLANS.
- 30] CONSTRUCT DOWNSPROUT WITH SPLASH PAD PER MEP PLANS.
- 31] CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 13/C6.01
- 32] CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDOCCA 500.5 AND 503.
- 33] FLOODPROOF MEMBRANE 1' ABOVE PROPOSED FINISH GRADE ELEVATIONS
- 34] CONSTRUCT ONSITE RAMP PER DETAIL 13/C6.01
- 35] CONSTRUCT ONSITE RAMP PER DETAIL 15/C6.01
- 36] CONSTRUCT MOW CURB PER LANDSCAPE PLANS
- 37] CONSTRUCT WALL PLANTER 1'-8" ABOVE FINISH GRADE PER LANDSCAPE PLANS
- 38] CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01

[illegible]

LOCHSA
ENGINEERING

CARPENTER SELLERS DEL GATTO

8882 SPANISH RIDGE AVENUE • LAS VEGAS, NV 89148
 (702) 251-8896 • FAX (702) 251-8876 • WWW.CSDARCHITECTURE.COM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF CARPENTER SELLERS DEL GATTO ARCHITECTURE, INC. THESE DRAWINGS AND SPECIFICATIONS ARE NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTURE, INC.

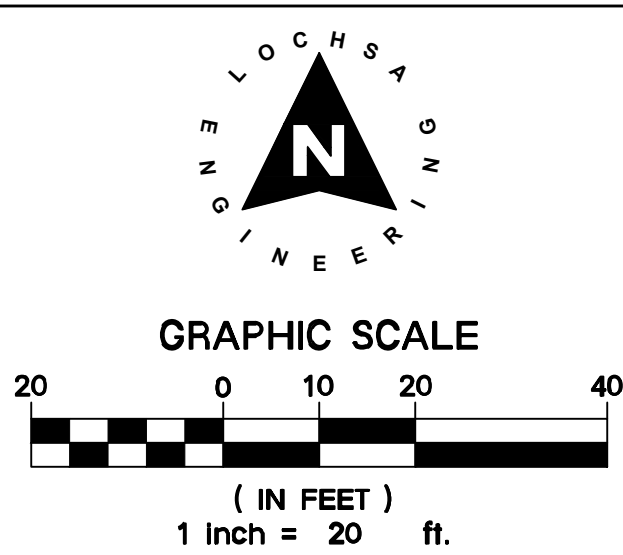
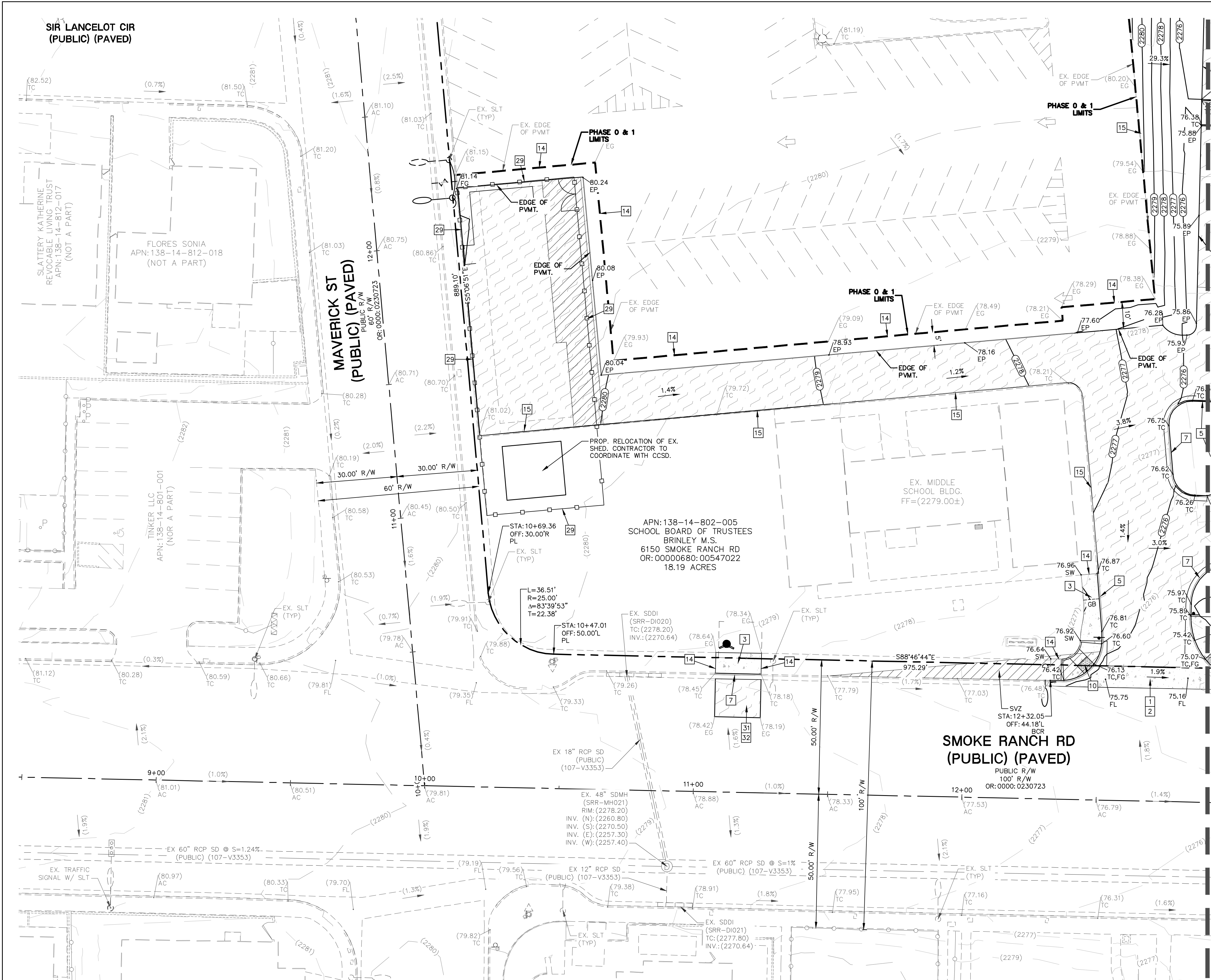
6345 South Jones Blvd.
 Suite 100
 Las Vegas, NV 89118

Phone (702) 395-9312
 Fax (702) 395-9317
www.lochsa.com

CONSULTANT:

CLARK COUNTY SCHOOL DISTRICT CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL. HENDERSON, NV 89074 PHONE: 702-799-8710	PROJECT TITLE: J. HAROLD BRINLEY MS - REPLACEMENT	
	DRAWING TITLE: PHASE 1 GRADING PLANS	
SHEET NO: C1.30.2		SHEET 20 OF 57
CLV NO: XXXX-XXXX CLV DWG#: XXXXXXXX		FACILITY & ADDRESS: 2480 MAVERICK ST., LAS VEGAS, NV 89108

9/26/2023, 1:55:52 PM
C:\Users\jleong\OneDrive\Photos\Drawings\VC-221085-011-401-02-049



ADJUSTMENT, RELOCATION & RESTORATION NOTE:

CONTRACTOR IS RESPONSIBLE TO RESTORE/ REPLACE SURFACE IMPROVEMENTS AS NECESSARY TO PROVIDE SURFACING CONSISTENT WITH EXISTING AND ADJACENT IMPROVEMENTS IN ALL AREAS IN WHICH EXISTING IMPROVEMENTS REQUIRE ADJUSTMENT, RELOCATION, RESTORATION OR REMOVAL (INCLUDING, BUT NOT LIMITED TO THE POSSIBLE RELOCATION OF PLANTERS, LIGHTING IMPROVEMENTS, COMMUNICATIONS, SANITARY SEWER CLEAN-OUTS, DRAINS, WATER IMPROVEMENTS, ETC.). CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE AND TO PROVIDE CONTINUED SERVICE TO ALL IMPACTED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE SITE CONDITIONS PRIOR TO BIDDING TO IDENTIFY AND QUANTIFY ANY CONCERNS ASSOCIATED WITH THE RELOCATION OF IMPROVEMENTS.

NOTE:

ADD 2200 FEET TO ALL ELEVATIONS ON PLAN
EXISTING UTILITY NOTE:
CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

TYPICAL GRADING IN LANDSCAPE AREAS AWAY FROM BUILDING

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

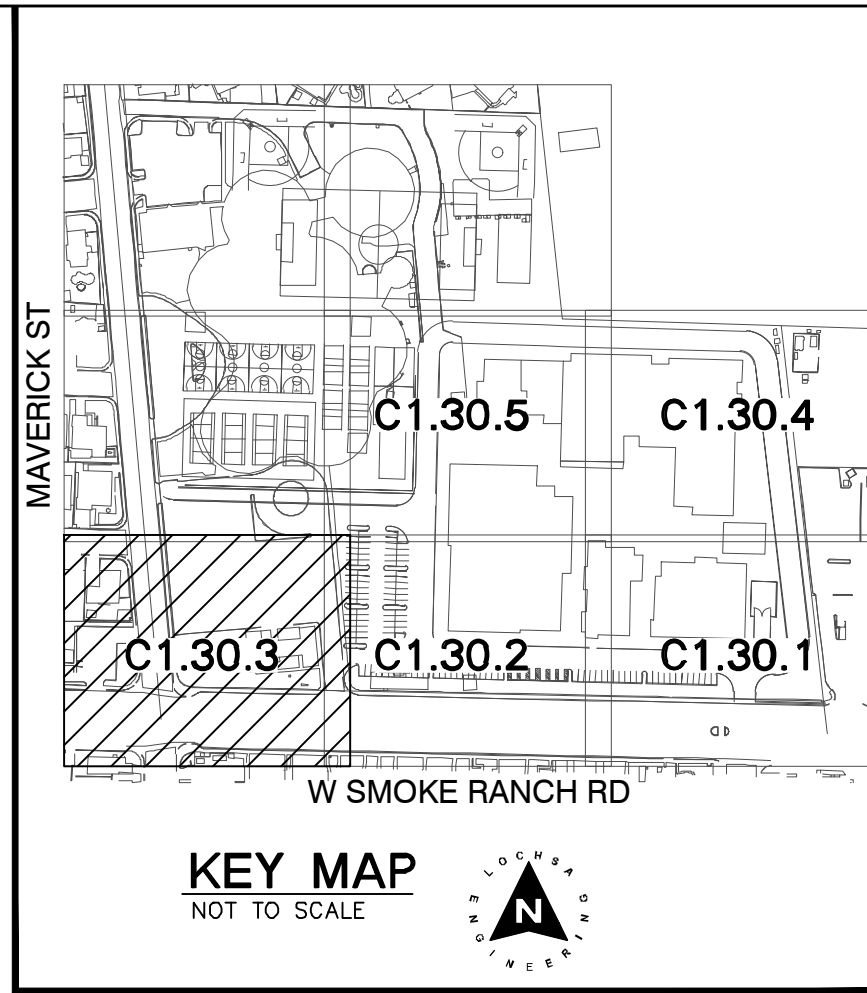
EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	8.756	NA	8.756
CUT	14,498.58 CY	NA	14,498.58 CY
FILL	24,320.77 CY	NA	24,320.77 CY
NET	9,822.20 CY (FILL)	NA	9,822.20 CY (FILL)

GEOTECHNICAL:

ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE SOILS REPORT
PREPARED BY:
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC
DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1.

RETAINING WALL CONSTRUCTION NOTES

- PLEASE REFERENCE LANDSCAPE PLANS FOR CONCRETE FINISHES FOR ON-SITE RETAINING WALLS
- CONSTRUCT 5' MAX RET. WALL PER DETAIL 1/C7.02
 - CONSTRUCT 3.5' MAX RET. WALL PER DETAIL 2/2/C7.02. TOP OF WALL TO BE 18" ABOVE FINISH GRADE.
 - CONSTRUCT 8' MAX RET. WALL PER DETAIL 3/C7.02
 - CONSTRUCT 4' MAX RET. WALL PER DETAIL 4/C7.02



CONSTRUCTION NOTES:

ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDCCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.

- CONSTRUCT COMMERCIAL DRIVEWAY PER USDCCA 222.1 AND 225.
- CONSTRUCT CROSS GUTTER PER USDCCA No. 228.
- CONSTRUCT CONCRETE SIDEWALK PER USDCCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
- CONSTRUCT 2" WIDE CURB OPENING PER DETAIL 7/C6.01.
- CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
- CONSTRUCT "O"-INCH CURB FACE PER DETAIL 1/C6.01.
- CONSTRUCT "L" TYPE CURB PER USDCCA No. 216.
- CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 3/C6.01
- CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 3/C6.01.
- CONSTRUCT SIDEWALK RAMP CASE I PER USDCCA No. 235.
- CONSTRUCT SIDEWALK RAMP CASE II PER USDCCA No. 235.
- INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS.
- SAWCUT & MATCH EXISTING GRADE.
- MATCH EXISTING GRADE.
- CONSTRUCT 6' TALL SCREEN WALL PER SBNORS B-100-1.
- CONSTRUCT BLOCK WALL OPENING PER DETAIL 14/C6.01.
- CONSTRUCT RAMP PER DETAIL 13/C6.01.
- CONSTRUCT 4' MODIFIED WIDE SIDEWALK UNDER DRAIN.
- PLANTERS PER LANDSCAPE PLANS.
- CONSTRUCT 4' WIDE CURB OPENING PER DETAIL 7/C6.01.
- CONSTRUCT 30" MODIFIED ROLL CURB PER USDCCA.
- CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
- CONSTRUCT BLOCK WALL OPENING BY OMITTING 1 BLOCK.
- CONSTRUCT 2' WIDE SIDEWALK UNDER DRAIN PER DETAIL USDCCA No. 236.
- CONSTRUCT 6' WIDE RIP-RAP SWALE. D₅₀=4", T=8" PER DETAIL 8/C6.01.
- CONSTRUCT MECHANICAL YARD PER PLUMBING PLANS.
- INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- FENCE/GATE PER ARCHITECTURAL PLANS.
- CONSTRUCT DOWNSPOUT WITH SPLASH PAD PER MEP PLANS.
- CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 3/C6.01
- CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDCCA 500.5 AND 503.
- FLOODPROOF MEMBRANE 1' ABOVE PROPOSED FINISH GRADE ELEVATIONS
- CONSTRUCT ONSITE RAMP PER DETAIL 13/C6.01
- CONSTRUCT ONSITE RAMP PER DETAIL 15/C6.01
- CONSTRUCT MOW CURB PER LANDSCAPE PLANS
- CONSTRUCT WALL PLANTER 1'-8" ABOVE FINISH GRADE PER LANDSCAPE PLANS
- CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01

UTILITY NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

Call before you Dig
Avoid hitting overhead power lines. It's costly.

FAST
Call before you Dig
Underground

811
OR
1-800-842-2444

1-702-227-2929

GRADING NOTES:

- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
- CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, AND COMPACTION. REFER TO THE REPORT PREPARED BY GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1

SPECIAL NOTE TO CONTRACTOR:

EXISTING IRRIGATION, LANDSCAPING, ELECTRICAL, LIGHTING, SIGNAGE AND OTHER EXISTING IMPROVEMENTS MAY BE IMPACTED BY PROPOSED CONSTRUCTION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS AND IDENTIFY CONFLICTS. CONTRACTOR SHALL COORDINATE WITH SITE FACILITIES AND ENGINEERING STAFF TO REMOVE AND/OR RELOCATE ANY AND ALL IMPROVEMENTS IN CONFLICT.

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND INCORPORATED AREAS. COMMUNITY PANEL NUMBER: 320032155F, DATED NOVEMBER 16, 2011, REVISED TO REFLECT LOMR DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE X (UNSHADED), DESCRIBED BY FEMA AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NOTE:

CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO DIGGING AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

GRADING PLAN CERTIFICATION

NAME: EDGAR LEON PE #21493 DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

SIGHT VISIBILITY ZONE (SVZ)

NOTE:
NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SVZ. THE SVZ SHALL BE MAINTAINED AT ALL TIMES. THE SVZ SHALL BE MAINTAINED AT ALL TIMES. THE SVZ SHALL BE MAINTAINED AT ALL TIMES.

A.P.N.: 138-14-802-005

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE EAST LINE OF SECTION 14, TOWNSHIP 20 SOUTH, RANGE 601 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDERS OFFICE IN FILE 38 OF SURVEYS, PAGE 42. SAID LINE BEARS SOUTH 06°56'06" EAST.

BENCHMARK:

CLARK COUNTY BENCHMARK 1LV0013SW66, RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF JONES AND ALFRED ELEVATION = 2257.87 FEET, 688.20 METERS

REVISIONS:

REV.	DESCRIPTION	DATE

SEAL

LOCHSA ENGINEERING
EDGAR LEON
CIVIL
EXP. 12/31/2023
No. 21493
05/26/2023

DATE: 05/26/2023
DRAWN BY: JCO
CHECKED BY: EL
SUBMITTAL: BID SET
PROJECT NO.: 221085
PROJECT NAME: CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

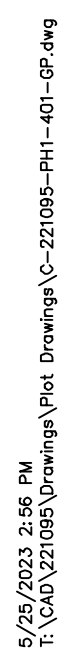
PROJECT TITLE: J. HAROLD BRINLEY MS - REPLACEMENT
DRAWING TITLE: PHASE 1 GRADING PLANS
SHEET 21 OF 57

FACILITY & ADDRESS:
2480 MAVERICK ST., LAS VEGAS, NV 89108

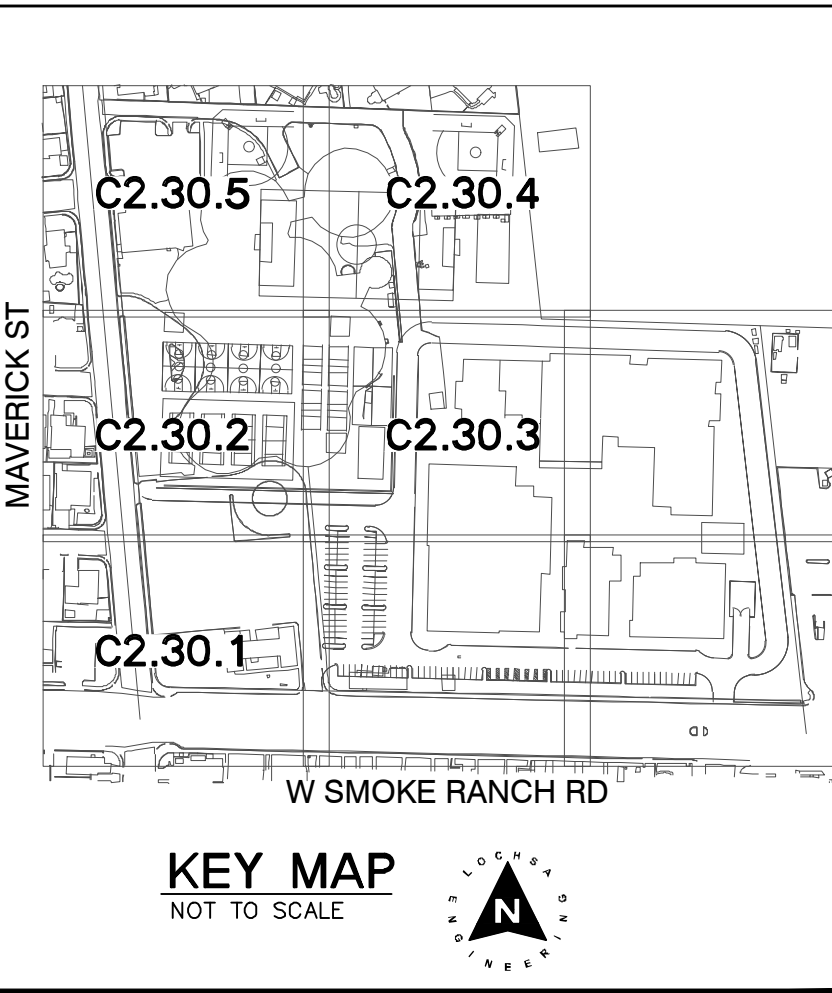
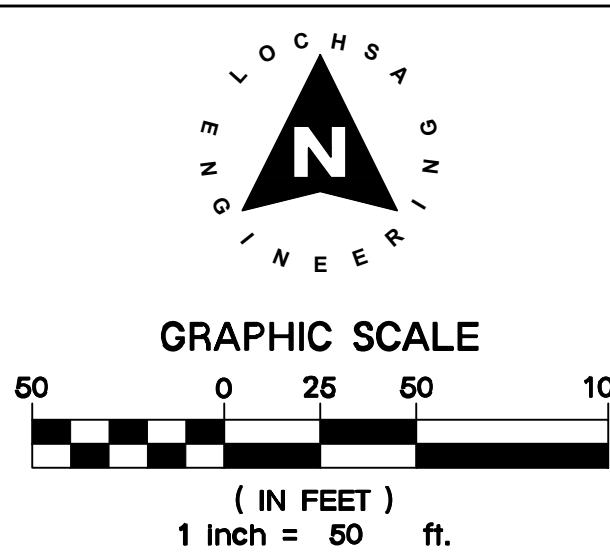
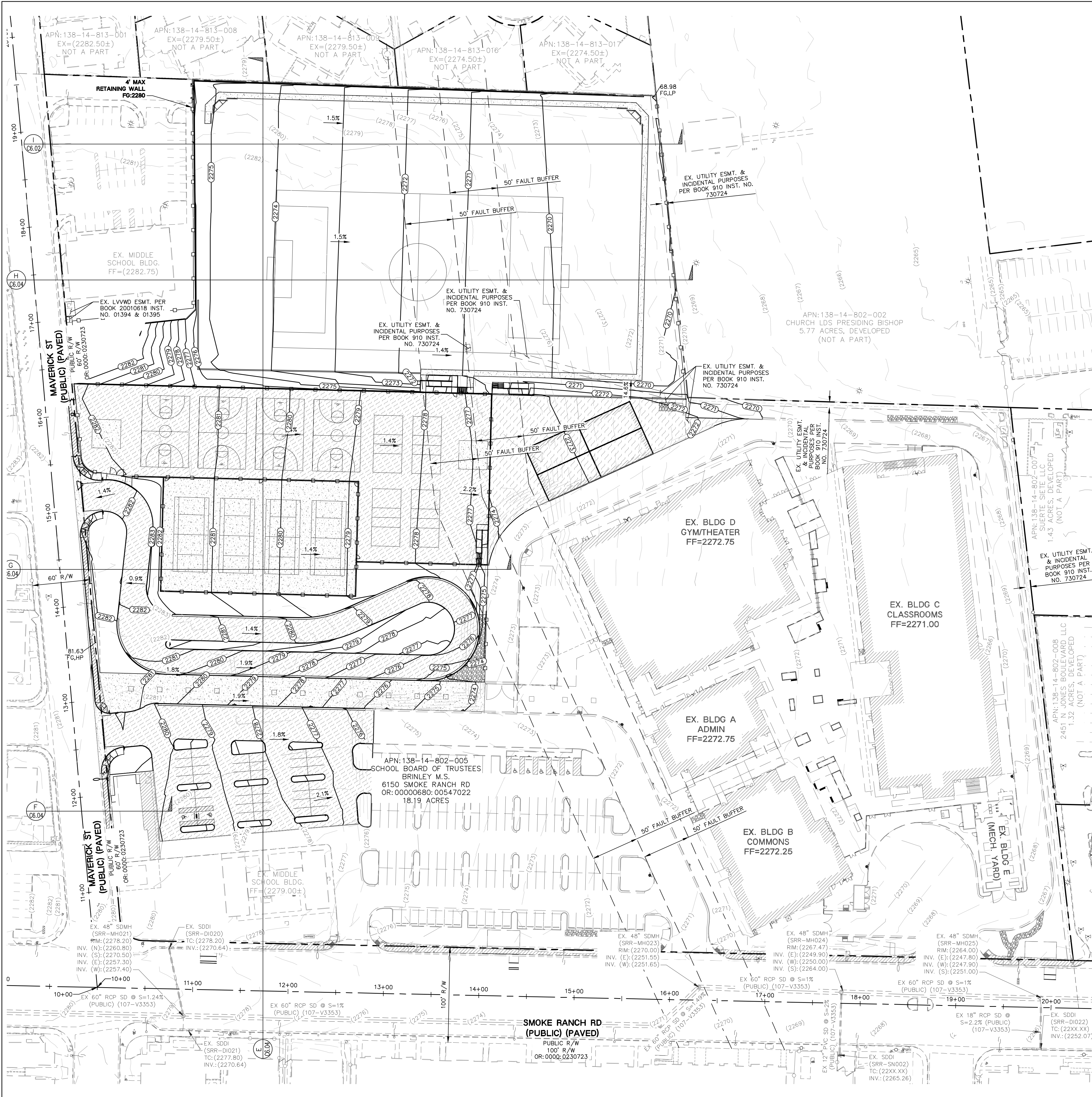
CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE: J. HAROLD BRINLEY MS - REPLACEMENT
DRAWING TITLE: PHASE 1 GRADING PLANS
SHEET 21 OF 57

FACILITY & ADDRESS:
2480 MAVERICK ST., LAS VEGAS, NV 89108



5/2/2023 1:55 PM
C:\Users\edgar.leon\OneDrive\Photos\Drawings\NC-221096-PKG-400-00 OVERALL.dwg



- STORMWATER MANAGEMENT NOTES:**
1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
 2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
 3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY, REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.
 4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES, REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, INSPECTIONS SECTION.
 5. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
 6. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTIONS IN THE MANNER PRESCRIBED BY CLARK COUNTY, INCLUDING BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	5.427	NA	5.427
CUT	28,924.57 CY	NA	28,924.57 CY
FILL	5,203.03 CY	NA	5,203.03 CY
NET	23,721.54 CY (CUT)	NA	23,721.54 CY (CUT)

FLOOD ZONE NOTE:
THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND INCORPORATED AREAS, COMMUNITY PANEL NUMBER: 32003C2155F, DATED NOVEMBER 15, 2011, REVISED TO REFLECT LOMR DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE "X" (UNSHADED), DESCRIBED BY FEMA AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NOTE:
CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO ANY AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

GEOTECHNICAL:
ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE SOILS REPORT.

PREPARED BY:
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC
DATED: AUGUST 22, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1.

MAX 2% H.S. MIN. 5% L.S. BUILDING FF
TYPICAL GRADING IN LANDSCAPE AREAS AWAY FROM BUILDING

GRADING PLAN CERTIFICATION

NAME: EDGAR LEON PE #21493 DATE

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

A.P.N.:
138-14-802-005

BASIS OF BEARINGS:
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE EAST LINE OF SECTION 14, TOWNSHIP 20 SOUTH, RANGE 601 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDERS OFFICE IN FILE 38 OF SURVEYS, PAGE 42, SAID LINE BEARS SOUTH 06°56'06" EAST.

BENCHMARK:
CLARK COUNTY BENCHMARK 1LV00135W66, RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF JONES AND ALFRED. ELEVATION = 2257.87 FEET, 668.20 METERS

UTILITY NOTE:
LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

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

FAST
Call before you Dig
Underground

Call before you Dig
Avoid hitting overhead power lines. It's costly.

1-800-842-2444
1-702-432-6300
1-702-227-2929

REVISIONS:

REV	DESCRIPTION	DATE

SEAL

LOCHSA ENGINEERING
EDGAR LEON
CIVIL
No. 21493
05/26/2023

05/26/2023
JCO
EL
BIO SET
22-017

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE:
J. HAROLD BRINLEY MS - REPLACEMENT

DRAWING TITLE:
PHASE 2 GRADING PLANS OVERALL SHEET

FACILITY & ADDRESS:
2480 MAVERICK ST., LAS VEGAS, NV 89108

SHEET NO:

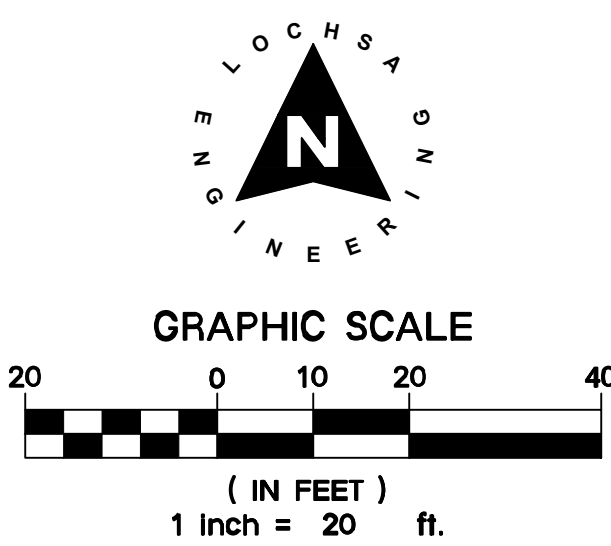
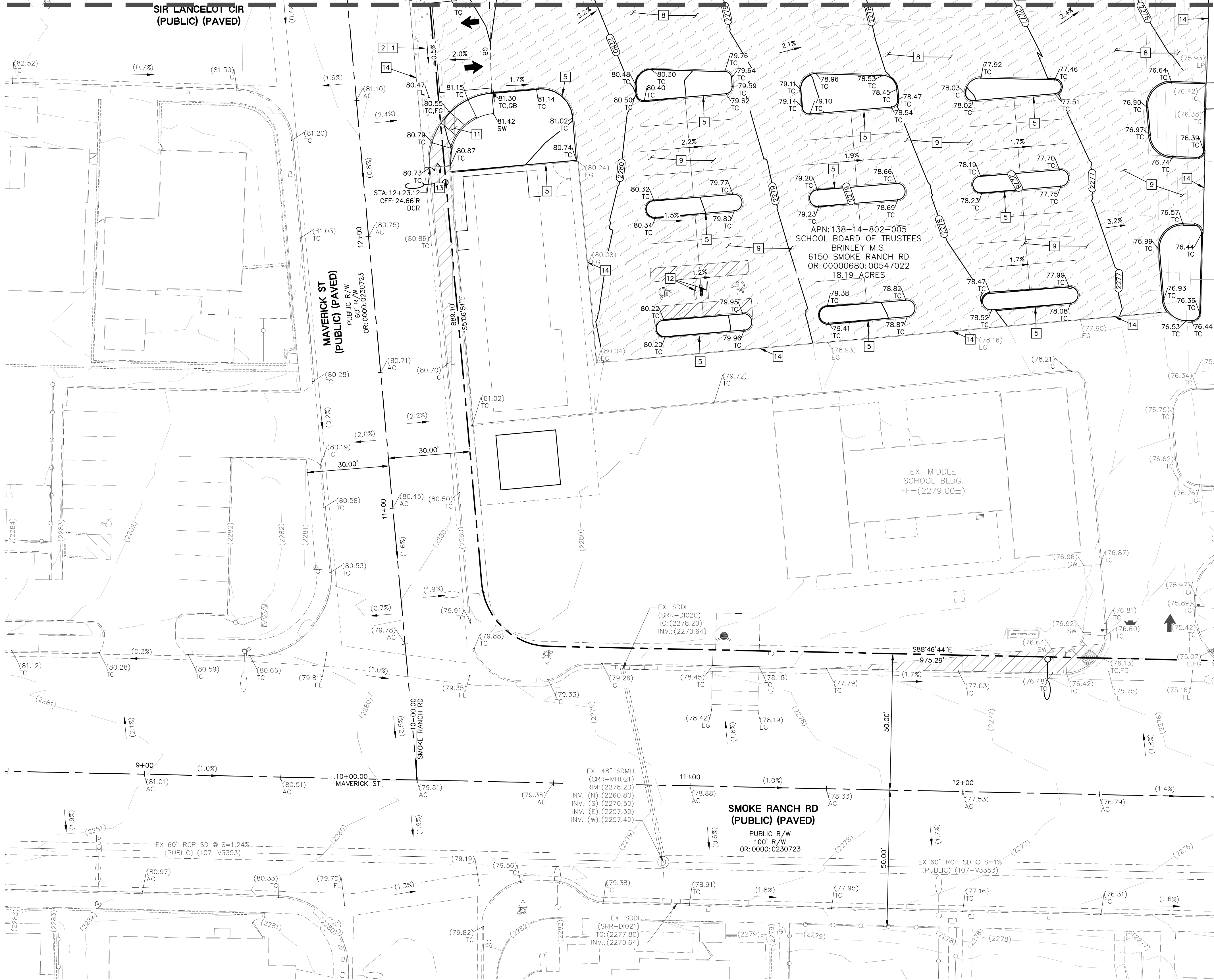
CLV NO: XXXX-XXXXXX
CLV DWG#: XXXXXXXXX

C2.30.0
SHEET 40 OF 57

Lochsa Engineering
8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148
(702) 251-8896 - FAX (702) 251-8876 - WWW.CSDARCHITECTURE.COM
6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 965-9312
Fax (702) 366-9317
www.lochsa.com

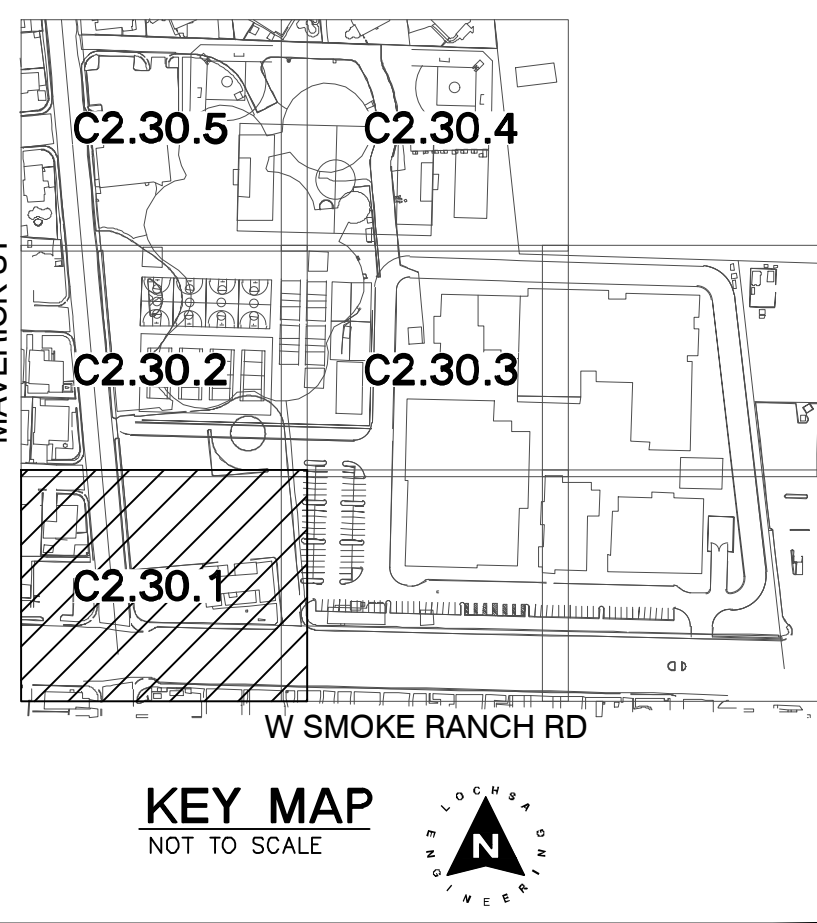
9/26/2023, 1:56:58 PM
C:\Users\edgar.leon\OneDrive\Photos\Drawings\VC-221085-Fig-401-09.dwg

SEE SHEET: C2.30.2



ADJUSTMENT, RELOCATION & RESTORATION NOTE:
CONTRACTOR IS RESPONSIBLE TO RESTORE/ REPLACE SURFACE IMPROVEMENTS AS NECESSARY TO PROVIDE SURFACING CONSISTENT WITH EXISTING AND ADJACENT IMPROVEMENTS IN ALL AREAS IN WHICH EXISTING IMPROVEMENTS REQUIRE ADJUSTMENT, RELOCATION, RESTORATION OR REMOVAL (INCLUDING, BUT NOT LIMITED TO THE POSSIBLE RELOCATION OF PLANTERS, LIGHTING IMPROVEMENTS, COMMUNICATIONS, SANITARY SEWER CLEAN-OUTS, DRAINS, WATER IMPROVEMENTS, ETC.). CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE AND TO PROVIDE CONTINUED SERVICE TO ALL IMPACTED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE SITE CONDITIONS PRIOR TO BIDDING TO IDENTIFY AND QUANTIFY ANY CONCERNS ASSOCIATED WITH THE RELOCATION OF IMPROVEMENTS.

- CONSTRUCTION NOTES:**
- ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDDCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
 - CONSTRUCT COMMERCIAL DRIVEWAY PER USDDCA 222.1 AND 225.
 - CONSTRUCT CROSS GUTTER PER USDDCA No. 228.
 - CONSTRUCT CONCRETE SIDEWALK PER USDDCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
 - CONSTRUCT 2' WIDE CURB OPENING PER DETAIL 7/C6.01.
 - CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
 - CONSTRUCT "O"-INCH CURB FACE PER DETAIL 1/C6.01.
 - CONSTRUCT "L" TYPE CURB PER USDDCA No. 216.
 - CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 3/C6.01.
 - CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 3/C6.01.
 - CONSTRUCT SIDEWALK RAMP CASE I PER USDDCA No. 235.
 - CONSTRUCT SIDEWALK RAMP CASE II PER USDDCA No. 235.
 - INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
 - SAW-CUT & MATCH EXISTING GRADE.
 - MATCH EXISTING GRADE.
 - PLANTERS PER LANDSCAPE PLANS.
 - CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
 - CONSTRUCT 6' WIDE RIP-RAP SWALE. $D_{50}=4"$, $T=8"$ PER DETAIL 8/C6.01.
 - INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
 - FENCE/GATE PER ARCHITECTURAL PLANS.
 - CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 3/C6.01.
 - CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDDCA 500.5 AND 503.
 - EX. SLT. PROTECT IN PLACE. CONTRACTOR TO ADJUST BASE CAP TO MATCH FINISH GRADE.
 - EX. FH. PROTECT IN PLACE. CONTRACTOR TO ADJUST TO MATCH FINISH GRADE.
 - CONSTRUCT 1' WIDE MOW CURB PER LANDSCAPE PLANS.
 - CONSTRUCT POST TENSION CONCRETE PER STRUCTURAL PLANS.
 - CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01.



KEY MAP
NOT TO SCALE

NOTE:
ADD 2200 FEET TO ALL ELEVATIONS ON PLAN

EXISTING UTILITY NOTE:
CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

MAX 2% H.S. MIN. 6% L.S. BUILDING FF

TYPICAL GRADING IN LANDSCAPE AREAS AWAY FROM BUILDING

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	5.427	NA	5.427
CUT	28,924.57 CY	NA	28,924.57 CY
FILL	5,203.03 CY	NA	5,203.03 CY
NET	23,721.54 CY (CUT)	NA	23,721.54 CY (CUT)

GEOTECHNICAL:
ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE SOILS REPORT PREPARED BY: GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC. DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 2022602021

RETAINING WALL CONSTRUCTION NOTES

PLEASE REFERENCE LANDSCAPE PLANS FOR CONCRETE FINISHES FOR ON-SITE RETAINING WALLS

- CONSTRUCT 5' MAX RET. WALL PER DETAIL 1/C7.02
- CONSTRUCT 3.5' MAX RET. WALL PER DETAIL 2/C7.02
- CONSTRUCT 8' MAX RET. WALL PER DETAIL 3/C7.02
- CONSTRUCT 4' MAX RET. WALL PER DETAIL 4/C7.02

UTILITY NOTE:
LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

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

FAST
Call before you Dig
Underground

CALL BEFORE YOU DIG OVERHEAD
Avoid hitting overhead power lines. It's costly.

811
1-800-842-2444

1-702-227-2929

STORMWATER MANAGEMENT NOTES:

- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, INSPECTIONS SECTION.
- ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTIONS IN THE MANNER PRESCRIBED BY CLARK COUNTY, INCLUDING BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

GRADING NOTES:

- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
- CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, AND COMPACTION. REFER TO THE REPORT PREPARED BY GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 2022602021

SPECIAL NOTE TO CONTRACTOR:
EXISTING IRRIGATION, LANDSCAPING, ELECTRICAL, LIGHTING, SIGNAGE AND OTHER EXISTING IMPROVEMENTS MAY BE IMPACTED BY PROPOSED CONSTRUCTION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS AND IDENTIFY CONFLICTS. CONTRACTOR SHALL COORDINATE WITH SITE FACILITIES AND ENGINEERING STAFF TO REMOVE AND/OR RELOCATE ANY AND ALL IMPROVEMENTS IN CONFLICT.

FLOOD ZONE NOTE:
THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND INCORPORATED AREAS, COMMUNITY PANEL NUMBER: 3200302155F, DATED NOVEMBER 16, 2011, REVISED TO REFLECT LOMR DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE "X" (UNSHADED), DESCRIBED BY FEMA AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NOTE:
CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO DIGGING AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

GRADING PLAN CERTIFICATION

NAME: EDGAR LEON PE #21493 DATE

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

SIGHT VISIBILITY ZONE (SVZ)

SIGHT VISIBILITY ZONE AREA

NOTE:
NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SVZ. THE SVZ SHALL BE MAINTAINED AT ALL TIMES. THE SVZ SHALL BE MAINTAINED AT A HEIGHT OF 27' MEASURED FROM THE TOP OF ADJACENT SIDEWALK, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SVZ LINE THROUGH LANDSCAPED MEDIANS.

REVISIONS:

REV.	DESCRIPTION	DATE

SEAL

LOCHSA ENGINEERING
EDGAR LEON
EXP. 12/31/2023
CIVIL
No. 21493
05/26/2023

DATE: 05/26/2023
DRAWN BY: JCO
CHECKED BY: EL
SUBMITTAL: BID SET
PROJECT NO.: 22-017

CARPENTER SELLERS DEL GATTO ARCHITECTS
8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148
(702) 251-8896 - FAX (702) 251-8876 - WWW.CSDARCHITECTURE.COM
THIS DOCUMENT AND ANY INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CARPENTER SELLERS DEL GATTO ARCHITECTS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

Lochsa Engineering
Phone (702) 965-8312
Suite 100
Fax (702) 365-9317
Las Vegas, NV 89118
www.lochsa.com

A/E:

CONSTRUCTION MGMT:

DATE:

COORDINATOR:

BUILDING DEPARTMENT:

CODE COMPLIANCE:

ASBESTOS WORK IS:

REQUIRED ☒ NOT REQUIRED ☐

MPID: 0001643

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE:
J. HAROLD BRINLEY MS - REPLACEMENT

DRAWING TITLE:
PHASE 2 GRADING PLANS
SHEET 1 OF 5

FACILITY & ADDRESS:
2480 MAVERICK ST., LAS VEGAS, NV 89108

SHEET NO:

CLV NO.: XXXX-XXXXXX
CLV DWG#: XXXXXXXX

C2.30.1

SHEET 41 OF 57

SEE SHEET: C2.30.5

SEE SHEET: C2.30.1

STORMWATER MANAGEMENT NOTES:

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

GRADING NOTES:

1. SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
2. CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
4. CONTRACTOR TO ENSURE POSITIVE DRAINAGE, NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, AND COMPACTION. REFER TO THE REPORT PREPARED BY GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1

SPECIAL NOTE TO CONTRACTOR:

EXISTING IRRIGATION, LANDSCAPING, ELECTRICAL, LIGHTING, SIGNAGE AND OTHER EXISTING IMPROVEMENTS MAY BE IMPACTED BY PROPOSED CONSTRUCTION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS AND IDENTIFY CONFLICTS. CONTRACTOR SHALL COORDINATE WITH SITE FACILITIES AND ENGINEERING STAFF TO REMOVE AND/OR RELOCATE ANY AND ALL IMPROVEMENTS IN CONFLICT.

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND INCORPORATED AREAS. COMMUNITY PANEL NUMBER: 32003C2155F, DATED NOVEMBER 16, 2011, REVISED TO REFLECT LOMR DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE "X" (UNSHADED), DESCRIBED BY FEMA AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NOTE:

CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO DIGGING AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

GRADING PLAN CERTIFICATION

NAME: EDGAR LEON PE #21493 DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

SIGHT VISIBILITY ZONE (SVZ)

NOTE:

NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SVZ. THE SVZ SHALL BE MAINTAINED AT A MINIMUM OF 27' IN HEIGHT MEASURED FROM THE TOP OF CURB OR WHERE NO CURB EXISTS, A HEIGHT OF 27' MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SVZ LINE THROUGH LANDSCAPED MEDIANS.

A.P.N.:

138-14-802-005

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE EAST LINE OF SECTION 14, TOWNSHIP 20 SOUTH, RANGE 601 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDERS OFFICE IN FILE 38 OF SURVEYS, PAGE 42. SAID LINE BEARS SOUTH 06°56'06" EAST.

BENCHMARK:

CLARK COUNTY BENCHMARK 1V0013SWW6, RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF JONES AND ALFRED. ELEVATION = 2257.87 FEET, 688.20 METERS

ADJUSTMENT, RELOCATION & RESTORATION NOTE:

CONTRACTOR IS RESPONSIBLE TO RESTORE/ REPLACE SURFACE IMPROVEMENTS AS NECESSARY TO PROVIDE SURFACING CONSISTENT WITH EXISTING AND ADJACENT IMPROVEMENTS IN ALL AREAS IN WHICH EXISTING IMPROVEMENTS REQUIRE ADJUSTMENT, RELOCATION, RESTORATION OR REMOVAL (INCLUDING, BUT NOT LIMITED TO THE POSSIBLE RELOCATION OF PLANTERS, LIGHTING IMPROVEMENTS, COMMUNICATIONS, SANITARY SEWER CLEAN-OUTS, DRAINS, WATER IMPROVEMENTS, ETC.). CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE AND TO PROVIDE CONTINUED SERVICE TO ALL IMPACTED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE SITE CONDITIONS PRIOR TO BIDDING TO IDENTIFY AND QUANTIFY ANY CONCERNS ASSOCIATED WITH THE RELOCATION OF IMPROVEMENTS.

CONSTRUCTION NOTES:

- ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDCCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
1. CONSTRUCT COMMERCIAL DRIVEWAY PER USDCCA 222.1 AND 225.
 2. CONSTRUCT CROSS GUTTER PER USDCCA No. 228.
 3. CONSTRUCT CONCRETE SIDEWALK PER USDCCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
 4. CONSTRUCT 2' WIDE CURB OPENING PER DETAIL 7/C6.01.
 5. CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
 6. CONSTRUCT "O"-INCH CURB FACE PER DETAIL 1/C6.01.
 7. CONSTRUCT "L" TYPE CURB PER USDCCA No. 216.
 8. CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 3/C6.01.
 9. CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 3/C6.01.
 10. CONSTRUCT SIDEWALK RAMP CASE I PER USDCCA No. 235.
 11. CONSTRUCT SIDEWALK RAMP CASE II PER USDCCA No. 235.
 12. INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
 13. SAWCUT & MATCH EXISTING GRADE.
 14. MATCH EXISTING GRADE.
 15. PLANTERS PER LANDSCAPE PLANS.
 16. CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
 17. CONSTRUCT 6' WIDE RIP-RAP SWALE. $D_{50}=4"$, $T=8"$ PER DETAIL 8/C6.01.
 18. INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
 19. FENCE/GATE PER ARCHITECTURAL PLANS.
 20. CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 3/C6.01.
 21. CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDCCA 500.5 AND 503.
 22. EX. SLT. PROTECT IN PLACE. CONTRACTOR TO ADJUST BASE CAP TO MATCH FINISH GRADE.
 23. EX. F.H. PROTECT IN PLACE. CONTRACTOR TO ADJUST TO MATCH FINISH GRADE.
 24. CONSTRUCT 1' WIDE MOW CURB PER LANDSCAPE PLANS.
 25. CONSTRUCT POST TENSION CONCRETE PER STRUCTURAL PLANS.
 26. CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01.

NOTE:

ADD 2200 FEET TO ALL ELEVATIONS ON PLAN

EXISTING UTILITY NOTE:

CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

MAX 2% H.S.
MIN. 6% L.S.

BUILDING FF

TYPICAL GRADING IN LANDSCAPE AREAS AWAY FROM BUILDING

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

	EARTHWORK QUANTITIES		
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	5.427	NA	5.427
CUT	28,924.57 CY	NA	28,924.57 CY
FILL	5,203.03 CY	NA	5,203.03 CY
NET	23,721.54 CY (CUT)	NA	23,721.54 CY (CUT)

GEOTECHNICAL:

ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE SOILS REPORT PREPARED BY: GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1

RETAINING WALL CONSTRUCTION NOTES

PLEASE REFERENCE LANDSCAPE PLANS FOR CONCRETE FINISHES FOR ON-SITE RETAINING WALLS

1. CONSTRUCT 5' MAX RET. WALL PER DETAIL 1/C7.02
2. CONSTRUCT 3.5' MAX RET. WALL PER DETAIL 2/C7.02
3. CONSTRUCT 8' MAX RET. WALL PER DETAIL 3/C7.02
4. CONSTRUCT 4' MAX RET. WALL PER DETAIL 4/C7.02

UTILITY NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

Call before you Dig

Avoid hitting overhead power lines. It's costly.

CALL 811 before you Dig

Underground

1-800-842-2444

1-702-432-5300

FREEWAY & AIRPORT SYSTEM OF TRANSPORTATION

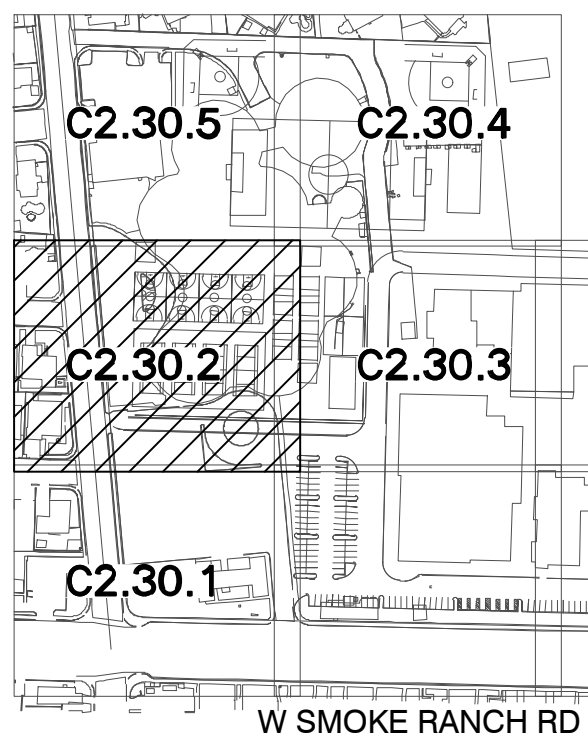
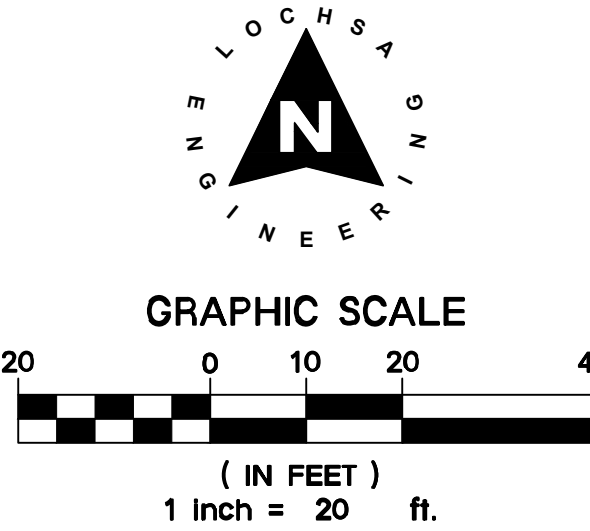
Call before you Dig

Avoid hitting overhead power lines. It's costly.

CALL BEFORE YOU DO OVERHEAD

Underground

1-702-227-2929



KEY MAP

NOT TO SCALE



REVISIONS:		
REV.	DESCRIPTION	DATE

SEAL	05/26/2023	DATE
DESIGNED BY	JCO	CHECKED BY
DRAWN BY	EL	SUBMITTAL
PROJECT NO.	22-017	PROJECT NO.

LOCHSA ENGINEERING

8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148
(702) 251-8896 - FAX (702) 251-8876 - WWW.CSDARCHITECTURE.COM

THIS DOCUMENT AND ITS CONTENTS ARE THE PROPERTY OF LOCHSA ENGINEERING. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

WATER SEWER IS STRICTLY PROHIBITED WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

CARPENTER SELLERS DEL GATTO ARCHITECTS

LOCHSA PROJECT NO. 220105

CONSTRUCTION MGMT:	DATE:
COORDINATOR:	
BUILDING DEPARTMENT:	
CODE COMPLIANCE:	
ASBESTOS WORK IS:	

REQUIRED	NOT REQUIRED
MPID:	0001643

CLARK COUNTY SCHOOL DISTRICT

CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE: J. HAROLD BRINLEY MS - REPLACEMENT

DRAWING TITLE: PHASE 2 GRADING PLANS

SHEET 2 OF 5

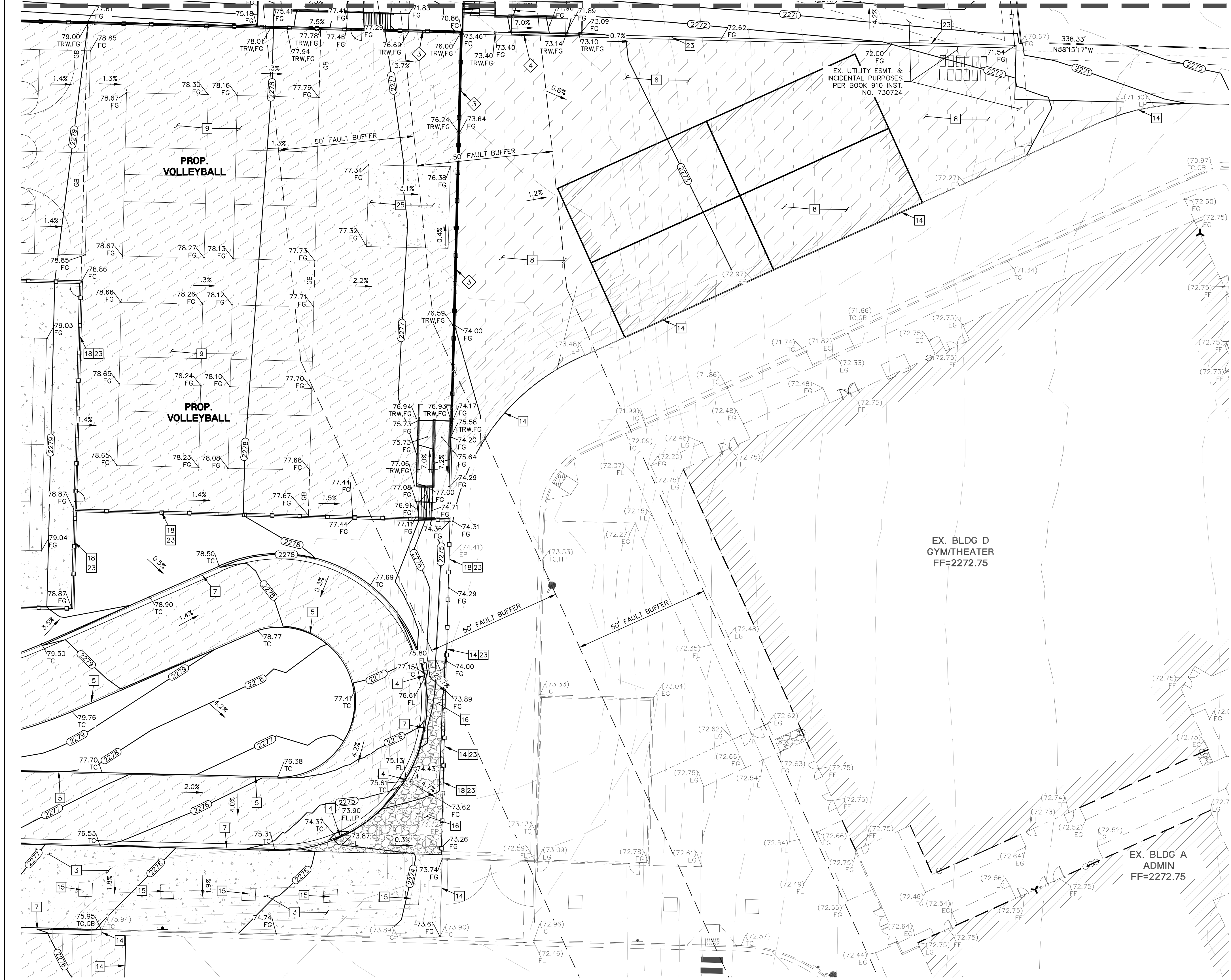
FACILITY & ADDRESS: 2480 MAVERICK ST., LAS VEGAS, NV 89108

SHEET NO: C2.30.2

CLV NO: XXXX-XXXXXX

CLV DWG: XXXXXXXX

SHEET 42 OF 57



CONSTRUCTION NOTES:

- ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDCCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
- 1) CONSTRUCT COMMERCIAL DRIVEWAY PER USDCCA 222.1 AND 225.
- 2) CONSTRUCT CROSS GUTTER PER USDCCA No. 228.
- 3) CONSTRUCT CONCRETE SIDEWALK PER USDCCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
- 4) CONSTRUCT 2' WIDE CURB OPENING PER DETAIL 7/C6.01.
- 5) CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
- 6) CONSTRUCT "0"-INCH CURB FACE PER DETAIL 1/C6.01.
- 7) CONSTRUCT "L" TYPE CURB PER USDCCA No. 216.
- 8) CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 3/C6.01.
- 9) CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 2/C6.01.
- 10) CONSTRUCT SIDEWALK RAMP CASE I PER USDCCA No. 235.
- 11) CONSTRUCT SIDEWALK RAMP CASE II PER USDCCA No. 235.
- 12) INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- 13) SAWCUT & MATCH EXISTING GRADE.
- 14) MATCH EXISTING GRADE.
- 15) PLANTERS PER LANDSCAPE PLANS.
- 16) CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
- 17) CONSTRUCT 6' WIDE RIP-RAP SWALE. $D_{50} \geq 4$, $T=8"$ PER DETAIL 8/C6.01.
- 18) INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- 19) FENCE/GATE PER ARCHITECTURAL PLANS.
- 20) CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 3/C6.01.
- 21) CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDCCA 500.9 AND 503.
- 22) EX. SLT. PROTECT IN PLACE. CONTRACTOR TO ADJUST BASE CAP TO MATCH FINISH GRADE.
- 23) EX. FH. PROTECT IN PLACE. CONTRACTOR TO ADJUST TO MATCH FINISH GRADE.
- 24) CONSTRUCT 1' WIDE MOW CURB PER LANDSCAPE PLANS
- 25) CONSTRUCT POST TENSION CONCRETE PER STRUCTURAL PLANS
- 26) CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01

NOTE:

ADD 2200 FEET TO ALL ELEVATIONS ON PLAN

EXISTING UTILITY NOTE:

CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO
MATCH PROPOSED FINISH GRADE ELEVATIONS.

MAX 2% H.S. / BUILDING FF
MIN 5% L.S.

**TYPICAL GRADING IN LANDSCAPE AREAS
AWAY FROM BUILDING**

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	5.427	NA	5.427
CUT	28,924.57 CY	NA	28,924.57 CY
FILL	5,203.03 CY	NA	5,203.03 CY
NET	23,721.54 CY (CUT)	NA	23,721.54 CY (CUT)

GEOTECHNICAL:

ALL GRADING SHALL BE PERFORMED IN COMPLIANCE
WITH THE SOILS REPORT
PREPARED BY:
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC
DATED: AUGUST 24, 2022, UPDATED: APRIL 21,
2023 PROJECT NO. 20226020E1

RETAINING WALL CONSTRUCTION NOTES

PLEASE REFERENCE LANDSCAPE PLANS FOR
CONCRETE FINISHES FOR ON-SITE RETAINING WALLS

- ① CONSTRUCT 5' MAX RET. WALL PER DETAIL
1/C7.02
- ② CONSTRUCT 3.5' MAX RET. WALL PER DETAIL
2/C7.02
- ③ CONSTRUCT 8' MAX RET. WALL PER DETAIL
3/C7.02
- ④ CONSTRUCT 4' MAX RET. WALL PER DETAIL
4/C7.02

UTILITY NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND CABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. IN THE EVENT OF A CONFLICT BETWEEN THE FIELD AND THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

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

CALL
911



 before
Underground

1-702-432-5300
FREEWAY & ARTERIAL SYS
OF TRANSPORTATION

Avoid hitting overhead power lines. It's costly.

**CALL BEFORE
YOU DO
OVERHEAD**

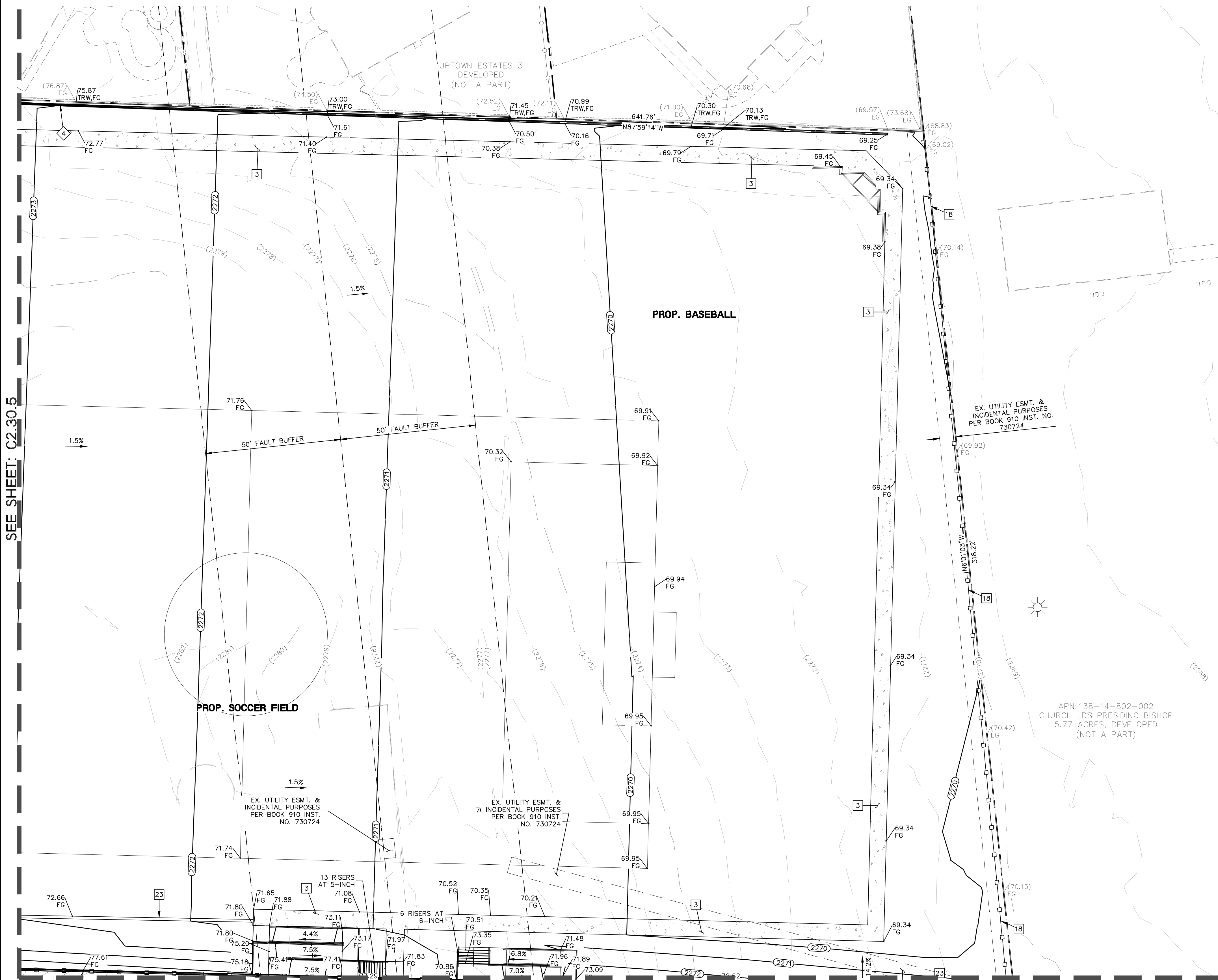
A diagram showing a crane lifting a load. The crane is positioned on a base, and its arm is extended upwards, lifting a rectangular load. The load is labeled with the number '1'.

1-702-227-2929

[illegible]

5/25/2023 3:00 PM
T: \\CAD\221095\Drawings\Plot Drawings\C-221095-PH2-401-GP.dwg

SEE SHEET: C2.30.5



SEE SHEET: C2.30.3

STORMWATER MANAGEMENT NOTES:

- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, INSPECTIONS SECTION.
- ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHATEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTIONS IN THE MANNER PRESCRIBED BY CLARK COUNTY, INCLUDING BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

GRADING NOTES:

- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
- CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, AND COMPACTION. REFER TO THE REPORT PREPARED BY GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1

SPECIAL NOTE TO CONTRACTOR:

EXISTING IRRIGATION, LANDSCAPING, ELECTRICAL, LIGHTING, SIGNAGE AND OTHER EXISTING IMPROVEMENTS MAY BE IMPACTED BY PROPOSED CONSTRUCTION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS AND IDENTIFY CONFLICTS. CONTRACTOR SHALL COORDINATE WITH SITE FACILITIES AND ENGINEERING STAFF TO REMOVE AND/OR RELOCATE ANY AND ALL IMPROVEMENTS IN CONFLICT.

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA, AND INCORPORATED AREAS. COMMUNITY PANEL NUMBER: 3200302155F, DATED NOVEMBER 16, 2011, REVISED TO REFLECT LOMR DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE 'X' (UNSHADED), DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NOTE:

CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO DIGGING AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

GRADING PLAN CERTIFICATION

NAME: EDGAR LEON PE #21493 DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

SIGHT VISIBILITY ZONE (SVZ)

NOTE:

NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE RIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 23' IN HEIGHT, MEASURED FROM TOP OF CURB OR WHERE NO CURB EXISTS, A HEIGHT OF 27' MEASURED FROM THE TOP OF ADJACENT ASPHALT GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE RIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

A.P.N.:

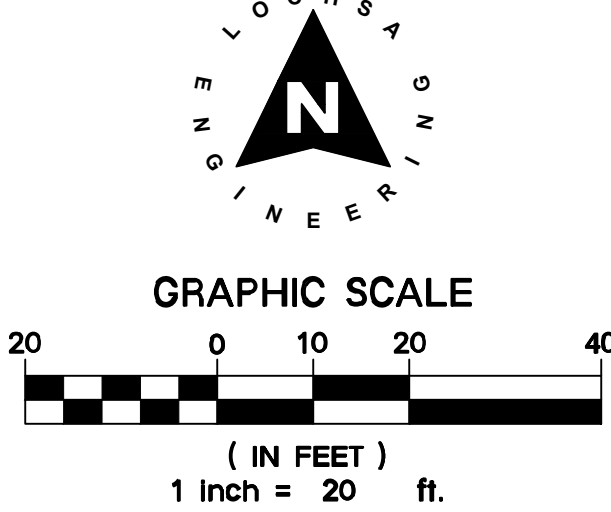
138-14-802-005

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE EAST LINE OF SECTION 14, TOWNSHIP 20 SOUTH, RANGE 601 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDERS OFFICE IN FILL 38 OF SURVEYS, PAGE 42. SAID LINE BEARS SOUTH 06°56'06" EAST.

BENCHMARK:

CLARK COUNTY BENCHMARK 1LV0013SWW6, RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF JONES AND ALFRED. ELEVATION = 2257.87 FEET, 688.20 METERS



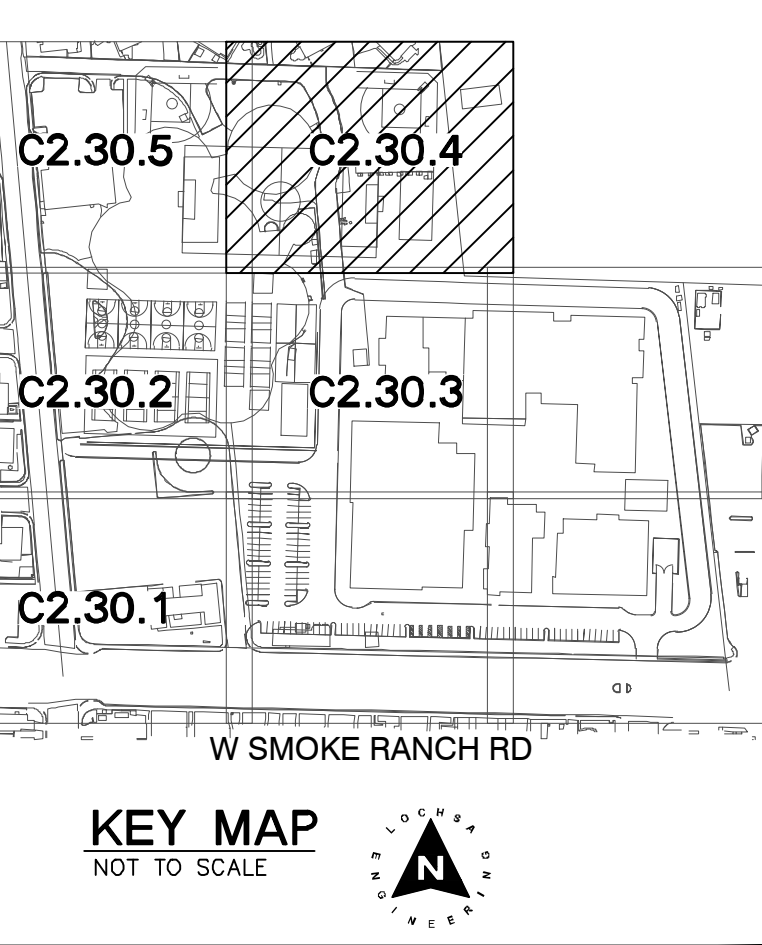
ADJUSTMENT, RELOCATION & RESTORATION NOTE:

CONTRACTOR IS RESPONSIBLE TO RESTORE/ REPLACE SURFACE IMPROVEMENTS AS NECESSARY TO PROVIDE SURFACING CONSISTENT WITH EXISTING AND ADJACENT IMPROVEMENTS IN ALL AREAS IN WHICH EXISTING IMPROVEMENTS REQUIRE ADJUSTMENT, RELOCATION, RESTORATION OR REMOVAL (INCLUDING, BUT NOT LIMITED TO THE POSSIBLE RELOCATION OF PLANTERS, LIGHTING IMPROVEMENTS, COMMUNICATIONS, SANITARY SEWER CLEAN-OUTS, DRAINS, WATER IMPROVEMENTS, ETC.). CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE AND TO PROVIDE CONTINUED SERVICE TO ALL IMPACTED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE SITE CONDITIONS PRIOR TO BIDDING TO IDENTIFY AND QUANTIFY ANY CONCERNS ASSOCIATED WITH THE RELOCATION OF IMPROVEMENTS.

CONSTRUCTION NOTES:

- ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDDCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.

- CONSTRUCT COMMERCIAL DRIVEWAY PER USDDCA 222.1 AND 225.
- CONSTRUCT CROSS GUTTER PER USDDCA No. 228.
- CONSTRUCT CONCRETE SIDEWALK PER USDDCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
- CONSTRUCT 2' WIDE CURB OPENING PER DETAIL 7/C6.01.
- CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
- CONSTRUCT "O"-INCH CURB FACE PER DETAIL 1/C6.01.
- CONSTRUCT "L" TYPE CURB PER USDDCA No. 216.
- CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 3/C6.01.
- CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 3/C6.01.
- CONSTRUCT SIDEWALK RAMP CASE I PER USDDCA No. 235.
- CONSTRUCT SIDEWALK RAMP CASE II PER USDDCA No. 235.
- INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- SAWTOOTH & MATCH EXISTING GRADE.
- MATCH EXISTING GRADE.
- PLANTERS PER LANDSCAPE PLANS.
- CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
- CONSTRUCT 6' WIDE RIP-RAP SWALE. D₅₀=4", T=8" PER DETAIL 8/C6.01.
- INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- FENCE/GATE PER ARCHITECTURAL PLANS.
- CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 3/C6.01.
- CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDDCA 500.5 AND 503.
- EX. SLT. PROTECT IN PLACE. CONTRACTOR TO ADJUST BASE CAP TO MATCH FINISH GRADE.
- EX. FH. PROTECT IN PLACE. CONTRACTOR TO ADJUST TO MATCH FINISH GRADE.
- CONSTRUCT 1' WIDE MOW CURB PER LANDSCAPE PLANS
- CONSTRUCT POST TENSION CONCRETE PER STRUCTURAL PLANS
- CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01



NOTE:

ADD 2200 FEET TO ALL ELEVATIONS ON PLAN

EXISTING UTILITY NOTE:

CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

MAX 2% H.S. MIN. 6% L.S. BUILDING FF

TYPICAL GRADING IN LANDSCAPE AREAS AWAY FROM BUILDING

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	5.427	NA	5.427
CUT	28,924.57 CY	NA	28,924.57 CY
FILL	5,203.03 CY	NA	5,203.03 CY
NET	23,721.54 CY (CUT)	NA	23,721.54 CY (CUT)

GEOTECHNICAL:

ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE SOILS REPORT PREPARED BY: GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1

RETAINING WALL CONSTRUCTION NOTES

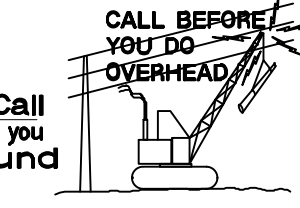
PLEASE REFERENCE LANDSCAPE PLANS FOR CONCRETE FINISHES FOR ON-SITE RETAINING WALLS

- CONSTRUCT 5' MAX RET. WALL PER DETAIL 1/C7.02
- CONSTRUCT 3.5' MAX RET. WALL PER DETAIL 2/C7.02
- CONSTRUCT 8' MAX RET. WALL PER DETAIL 3/C7.02
- CONSTRUCT 4' MAX RET. WALL PER DETAIL 4/C7.02

UTILITY NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

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



REVISIONS:

REV.	DESCRIPTION	DATE

SEAL

LOCHSA ENGINEERING

EDGAR LEON

EXP. 12/31/2023

CIVIL

No. 21493

05/26/2023

DATE

JCO

CHECKED BY

EL

SUBMITTAL

BIO SET

22-017

8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148

(702) 251-8896 - FAX (702) 251-8876 - WWW.CSDARCHITECTURE.COM

THIS DRAWING AND ALL INFORMATION HEREON ARE THE PROPERTY OF LOCHSA ENGINEERING. NO PART OF THIS DRAWING OR INFORMATION HEREON MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

WATERSEWER IS STRICTLY PROHIBITED WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

CARPENTER SELLERS DEL GATTO ARCHITECTS

8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148

(702) 251-8896 - FAX (702) 251-8876 - WWW.CSDARCHITECTURE.COM

THIS DRAWING AND ALL INFORMATION HEREON ARE THE PROPERTY OF LOCHSA ENGINEERING. NO PART OF THIS DRAWING OR INFORMATION HEREON MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

WATERSEWER IS STRICTLY PROHIBITED WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

Lochsa
engineering

6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-8312
Fax (702) 365-9317
www.lochsa.com

CLARK COUNTY SCHOOL DISTRICT

CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE:

J. HAROLD BRINLEY MS - REPLACEMENT

DRAWING TITLE:

PHASE 2 GRADING PLANS

SHEET NO:

C2.30.4

CLV NO: XXXX-XXXXXX

CLV DWG#: XXXXXXXX

SHEET 44 OF 57



SEE SHEET: C2.30.2

STORMWATER MANAGEMENT NOTES:

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

GRADING NOTES:

1. SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
2. CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
4. CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, AND COMPACTION. REFER TO THE REPORT PREPARED BY GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1

SPECIAL NOTE TO CONTRACTOR:

EXISTING IRRIGATION, LANDSCAPING, ELECTRICAL, LIGHTING, SIGNAGE AND OTHER EXISTING IMPROVEMENTS MAY BE IMPACTED BY PROPOSED CONSTRUCTION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL EXISTING IMPROVEMENTS AND IDENTIFY CONFLICTS. CONTRACTOR SHALL COORDINATE WITH SITE FACILITIES AND ENGINEERING STAFF TO REMOVE AND/OR RELOCATE ANY AND ALL IMPROVEMENTS IN CONFLICT.

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND INCORPORATED AREAS, COMMUNITY PANEL NUMBER: 32003C2155F, DATED NOVEMBER 16, 2011, REVISED TO REFLECT LOMR DATED: OCTOBER 4, 2019. THE PROJECT SITE IS OUTSIDE THE SPECIAL FLOOD HAZARD AREA (SFHA) AND FALLS WITHIN ZONE 'X' (UNSHADED), DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

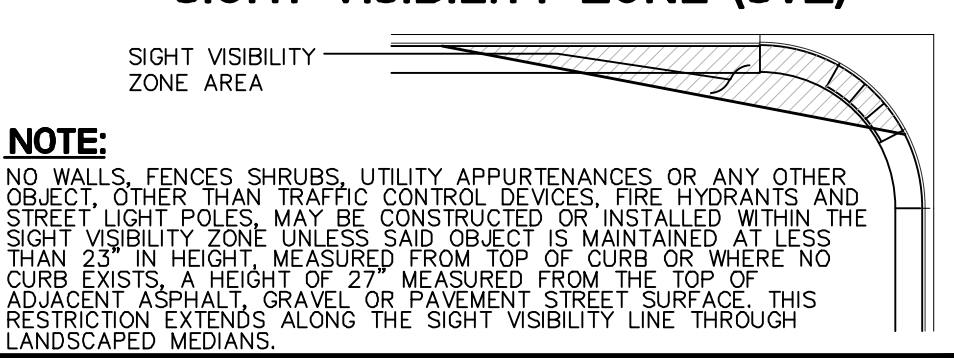
NOTE:

CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT AT 811 PRIOR TO DIGGING AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

GRADING PLAN CERTIFICATION

NAME: EDGAR LEON PE #21493 DATE
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY DSXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

SIGHT VISIBILITY ZONE (SVZ)



A.P.N.:

138-14-802-005

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE EAST LINE OF SECTION 14, TOWNSHIP 20 SOUTH, RANGE 601 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDERS OFFICE IN FILL 38 OF SURVEYS, PAGE 42. SAID LINE BEARS SOUTH 06°56'06" EAST.

BENCHMARK:

CLARK COUNTY BENCHMARK 1LV0013SW66, RIVET AND PLATE IN TOP OF CURB AT SE CORNER OF JONES AND ALFRED. ELEVATION = 2257.87 FEET, 688.20 METERS

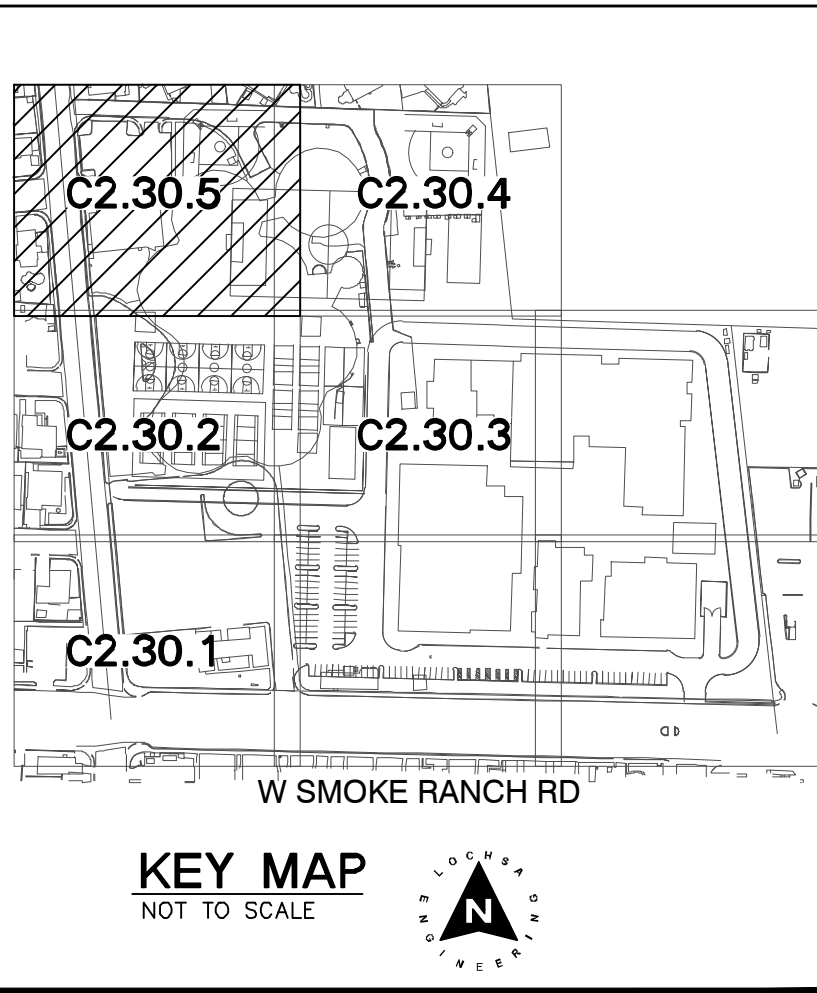
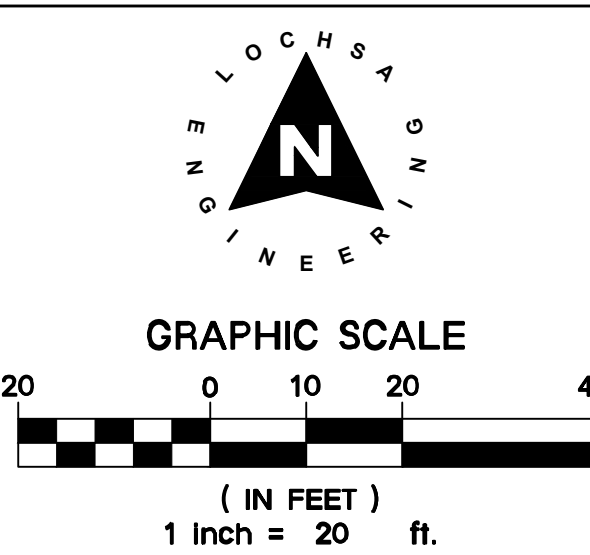
ADJUSTMENT, RELOCATION & RESTORATION NOTE:

CONTRACTOR IS RESPONSIBLE TO RESTORE/ REPLACE SURFACE IMPROVEMENTS AS NECESSARY TO PROVIDE SURFACING CONSISTENT WITH EXISTING AND ADJACENT IMPROVEMENTS IN ALL AREAS IN WHICH EXISTING IMPROVEMENTS REQUIRE ADJUSTMENT, RELOCATION, RESTORATION OR REMOVAL (INCLUDING, BUT NOT LIMITED TO THE POSSIBLE RELOCATION OF PLANTERS, LIGHTING IMPROVEMENTS, COMMUNICATIONS, SANITARY SEWER CLEAN-OUTS, DRAINS, WATER IMPROVEMENTS, ETC.). CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE AND TO PROVIDE CONTINUED SERVICE TO ALL IMPACTED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO INVESTIGATE SITE CONDITIONS PRIOR TO BIDDING TO IDENTIFY AND QUANTIFY ANY CONCERNS ASSOCIATED WITH THE RELOCATION OF IMPROVEMENTS.

CONSTRUCTION NOTES:

- ALL PRIVATE CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (USDDCA)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.

- 1] CONSTRUCT COMMERCIAL DRIVEWAY PER USDDCA 222.1 AND 225.
- 2] CONSTRUCT CROSS GUTTER PER USDDCA No. 228.
- 3] CONSTRUCT CONCRETE SIDEWALK PER USDDCA No. 234. REFER TO LANDSCAPE PLANS FOR PATTERN AND FINISH.
- 4] CONSTRUCT 2' WIDE CURB OPENING PER DETAIL 7/C6.01.
- 5] CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON 1/C6.01.
- 6] CONSTRUCT "O"-INCH CURB FACE PER DETAIL 1/C6.01.
- 7] CONSTRUCT "L" TYPE CURB PER USDDCA No. 216.
- 8] CONSTRUCT BUSES/TRUCKS AC PAVEMENT PER DETAIL 3/C6.01.
- 9] CONSTRUCT PARKING AREAS AC PAVEMENT PER DETAIL 8/C6.01.
- 10] CONSTRUCT SIDEWALK RAMP CASE I PER USDDCA No. 235.
- 11] CONSTRUCT SIDEWALK RAMP CASE II PER USDDCA No. 235.
- 12] INSTALL WHEEL STOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- 13] SAWCUT & MATCH EXISTING GRADE.
- 14] MATCH EXISTING GRADE.
- 15] PLANTERS PER LANDSCAPE PLANS.
- 16] CONSTRUCT 3' VALLEY GUTTER PER DETAIL 10/C6.01.
- 17] CONSTRUCT 6' WIDE RIP-RAP SWALE. D₅₀=4", T=8" PER DETAIL 8/C6.01.
- 18] INSTALL WHEELSTOP PER DETAIL 5/C6.01 OR APPROVED EQUAL.
- 19] FENCE/GATE PER ARCHITECTURAL PLANS.
- 20] CONSTRUCT ARTERIAL STREETS AC PAVEMENT PER DETAIL 3/C6.01.
- 21] CONSTRUCT PAVEMENT RESTORATION TRAVERSE CUT PER USDDCA 500.5 AND 503.
- 22] EX. SLT. PROTECT IN PLACE. CONTRACTOR TO ADJUST BASE CAP TO MATCH FINISH GRADE.
- 23] EX. FH. PROTECT IN PLACE. CONTRACTOR TO ADJUST TO MATCH FINISH GRADE.
- 24] CONSTRUCT 1' WIDE MOW CURB PER LANDSCAPE PLANS.
- 25] CONSTRUCT POST TENSION CONCRETE PER STRUCTURAL PLANS.
- 26] CONSTRUCT EXTERIOR CONCRETE PER DETAIL 4/C6.01.



NOTE:

ADD 2200 FEET TO ALL ELEVATIONS ON PLAN

EXISTING UTILITY NOTE:

CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

BUILDING FF

TYPICAL GRADING IN LANDSCAPE AREAS AWAY FROM BUILDING

NOTE: CUT/FILL QUANTITIES ARE ESTIMATES AND ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.

EARTHWORK QUANTITIES			
	ONSITE	OFFSITE	TOTAL
DISTURBED ACREAGE	5.427	NA	5.427
CUT	28,924.57 CY	NA	28,924.57 CY
FILL	5,203.03 CY	NA	5,203.03 CY
NET	23,721.54 CY (CUT)	NA	23,721.54 CY (CUT)

GEOTECHNICAL:

ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE SOILS REPORT PREPARED BY: GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC DATED: AUGUST 24, 2022, UPDATED: APRIL 21, 2023 PROJECT NO. 20226020E1

RETAINING WALL CONSTRUCTION NOTES

PLEASE REFERENCE LANDSCAPE PLANS FOR CONCRETE FINISHES FOR ON-SITE RETAINING WALLS

- 1] CONSTRUCT 5' MAX RET. WALL PER DETAIL 1/C7.02
- 2] CONSTRUCT 3.5' MAX RET. WALL PER DETAIL 2/C7.02
- 3] CONSTRUCT 8' MAX RET. WALL PER DETAIL 3/C7.02
- 4] CONSTRUCT 4' MAX RET. WALL PER DETAIL 4/C7.02

UTILITY NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

Call before you Dig

Avoid cutting underground utility lines. It's costly.

CALL 811 before you Dig

Underground

1-800-842-2444

Call before you Dig

Avoid hitting overhead power lines. It's costly.

CALL BEFORE YOU DIG

Underground

1-702-432-5300

FREEWAY & AIRPORT SYSTEM OF TRANSPORTATION

1-702-227-2929

REVISIONS:

REV.	DESCRIPTION	DATE

SEAL: 05/26/2023

ENGINEER: EDGAR LEON
EXP. 12/31/2023
CIVIL
No. 21493

DATE: 05/26/2023
DRAWN BY: JCO
CHECKED BY: EL
SUBMITTAL: BID SET
PROJECT NO. 22-017

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

PROJECT TITLE: J. HAROLD BRINLEY MS - REPLACEMENT

DRAWING TITLE: PHASE 2 GRADING PLANS

SHEET 5 OF 5

FACILITY & ADDRESS: 2480 MAVERICK ST., LAS VEGAS, NV 89108

SHEET NO: C2.30.5

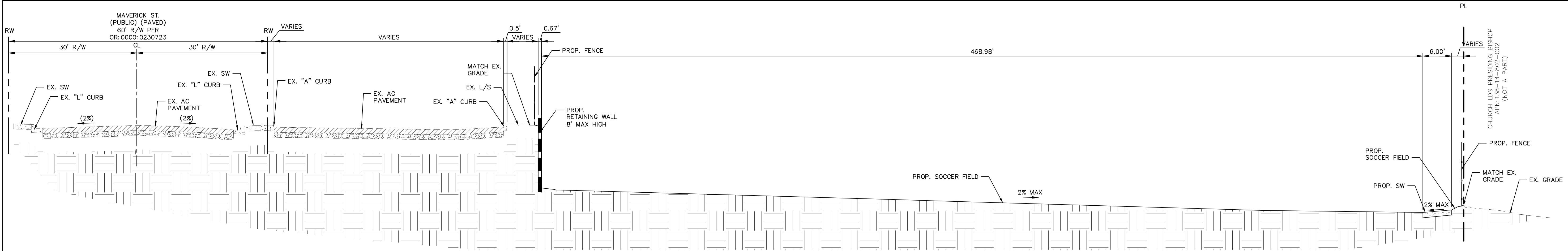
CLV NO: XXXX-XXXXXX
CLV DWG: XXXXXXXX

SHEET 45 OF 57

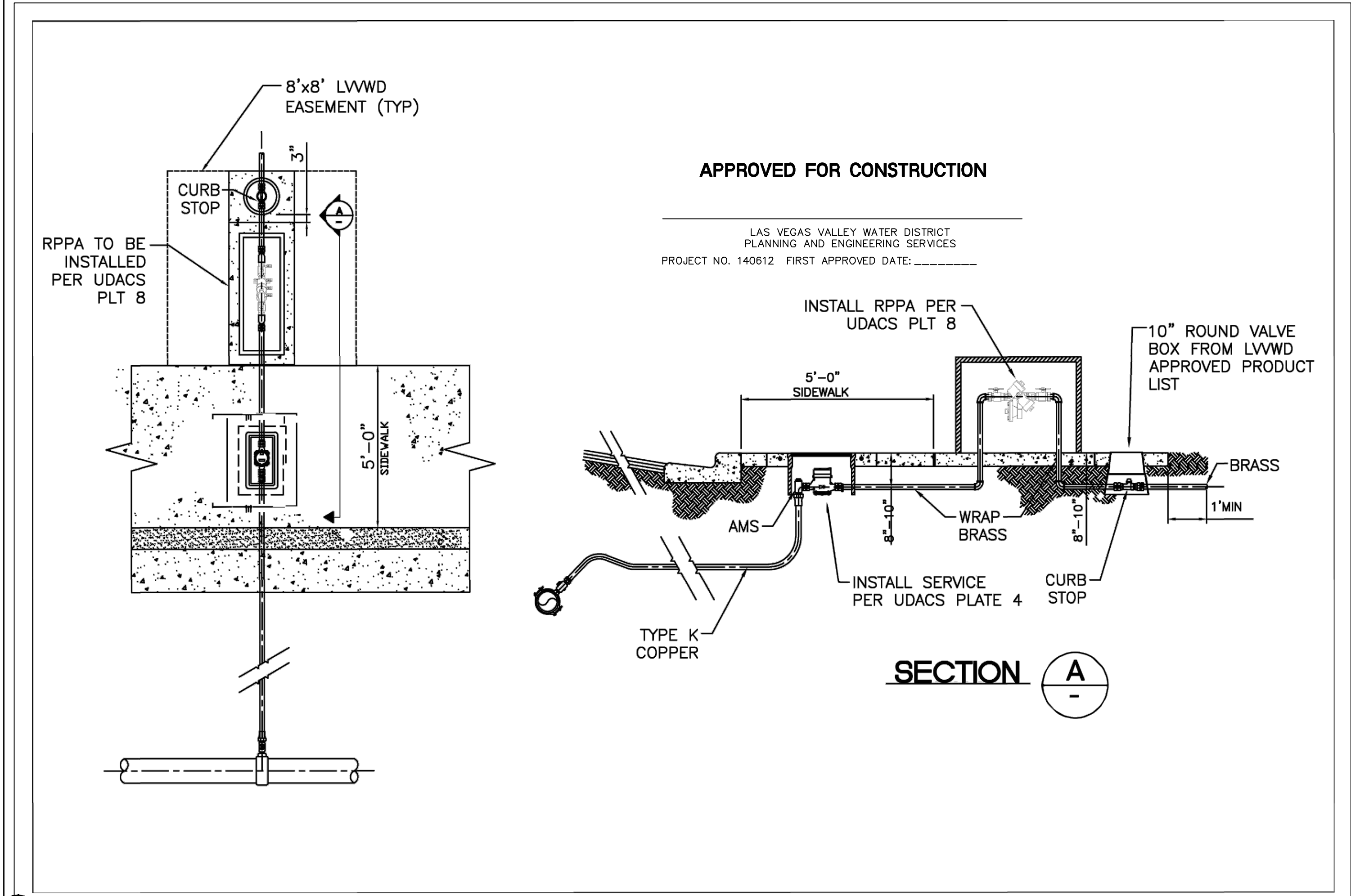
CARPENTER SELLERS DEL CANTO ARCHITECTS
8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148
(702) 251-8896 - FAX (702) 251-8876 - WWW.CSDARCHITECTURE.COM

THESE DRAWINGS AND ANY INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF CARPENTER SELLERS DEL CANTO ARCHITECTS. NO PART OF THESE DRAWINGS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL CANTO ARCHITECTS.

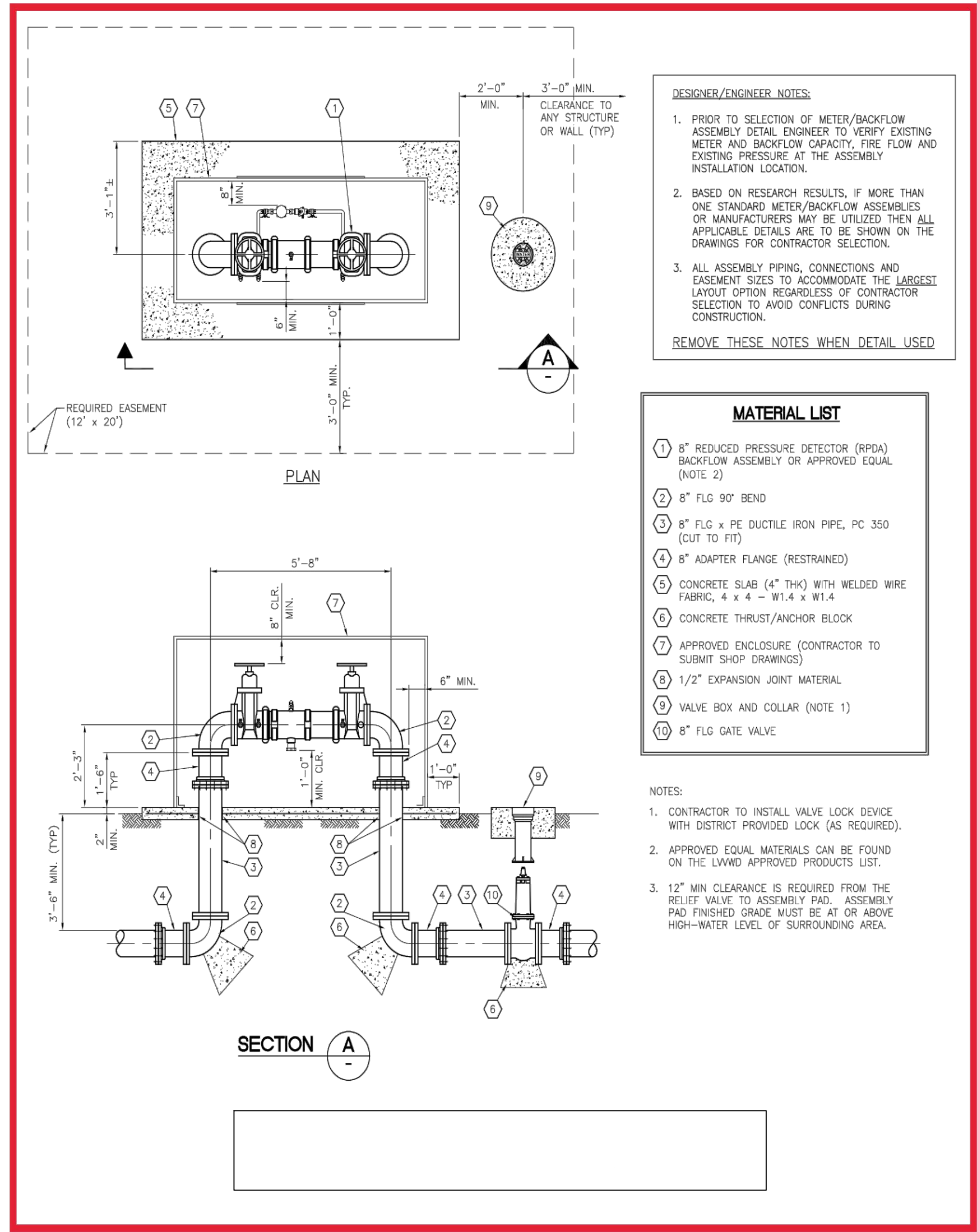
Lochsa Engineering
6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-8312
Fax (702) 365-9317
www.lochsa.com



1 SECTION NOT TO SCALE



A LVVWD METER WITH RPPA DETAIL NOT TO SCALE



B 8" REDUCED PRESSURE DETECTOR ASSEMBLY (USE NRS GATE VALVES ONLY) NOT TO SCALE

REVISIONS:

REV.	DESCRIPTION	DATE

SEAL

PROFESSIONAL ENGINEER
LEON
EXP. 12/31/2023
No. 21493
05/26/2023

DATE

05/26/2023

DRAWN BY

JCO

CHECKED BY

EL

SUBMITTAL

BID SET

DATE

05/26/2023

PROJECT NO.

22-017

CONSULTANT:

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710
PROJECT TITLE:
J. HAROLD BRINLEY MS - REPLACEMENT
DRAWING TITLE:
DETAIL SHEETS
FACILITY & ADDRESS:
2480 MAVERICK ST., LAS VEGAS, NV 89108

ASBESTOS WORK IS:

REQUIRED ☒ NOT REQUIRED ☐

MPID: 0001643

SHEET NO:

CLV NO: XXXX-XXXX
CLV DWG#: XXXXXXXX
C6.02
SHEET 53 OF 57

