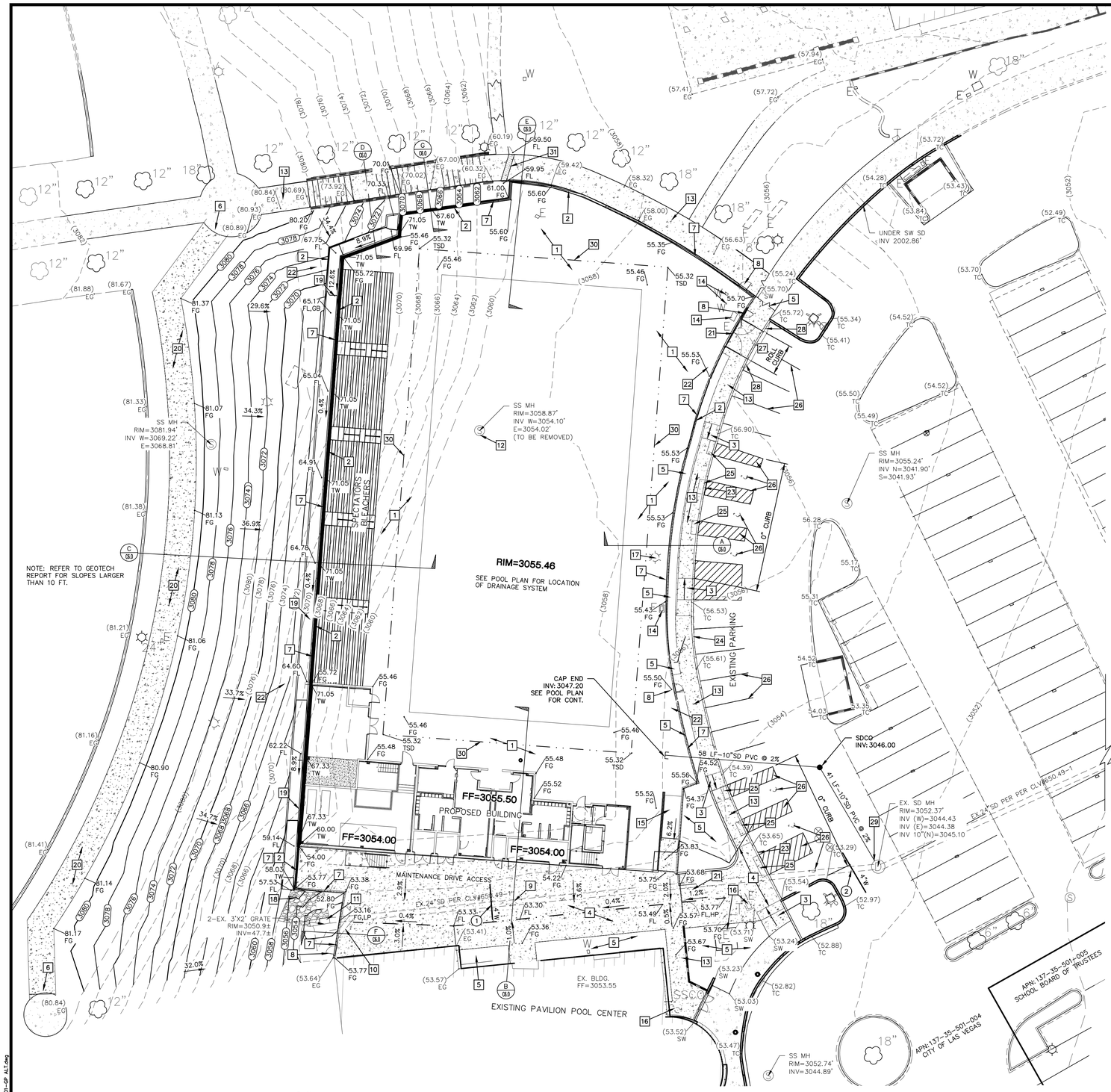
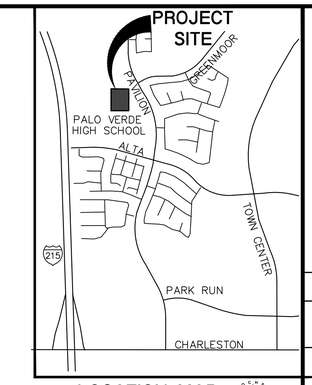


CONSTRUCTION NOTES:

– ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (C.C.A.U.S.D.)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
– NOT ALL NOTES USED ON THIS SHEET –

1. CONSTRUCT POOL DECK PER POOL PLANS
2. CONSTRUCT RETAINING WALL PER ARCHITECTURAL AND STRUCTURAL PLANS
3. CONSTRUCT ADA RAMP. SEE DETAIL 4/C6.0
4. REMOVE AND REPLACE CONC. PAVEMENT. CONSTRUCT NEW PCC PAVEMENT PER DETAIL 2/C6.0
5. LANDSCAPED AREA PER LANDSCAPE PLANS
6. SAWCUT AND MATCH EXISTING
7. INSTALL SECURITY FENCE PER ARCH. SITE DETAILS.
8. INSTALL PEDESTRIAN GATE PER ARCH. SITE DETAILS
9. EXISTING STORM DRAIN PIPE. PROTECT IN PLACE.
10. REMOVE EXISTING RET. WALL AND RAILING. SEE ARCHITECTURAL DEMO PLANS.
11. EXISTING DROP INLET. PROTECT IN PLACE
12. REMOVE EXISTING SEWER MANHOLE AND SEWER PIPE
13. CONSTRUCT CONC. SIDEWALK PER CCAUSD 234. 2% MAX. SLOPE IN ALL DIRECTION
14. RELOCATE WATER AND ELEC VAULTS, AS REQUIRED. REFER TO MEP, IRRIG. PLANS.
15. CONSTRUCT ADA RAMP WITH HAND RAILS PER ARCHITECTURAL PLANS
16. ADJUST UTILITIES TO FINISHED GRADE
17. RELOCATE LIGHT POLE. SEE LIGHTING PLAN.
18. INSTALL RIP-RAP. D50=6" THK=12"
19. CONSTRUCT CONC. U-CHANNEL PER DETAIL 3/C6.0
20. CONSTRUCT 5" THICK 3,000 PSI CONC SIDEWALK WITH 6X6 W1.4 X W1.4 WWF
21. INSTALL MAINTENANCE ACCESS GATE. SEE ARCHITECTURAL PLANS FOR DETAILS
22. INSTALL LIGHT POLE, SEE ARCHITECTURAL PLANS FOR DETAILS
23. CONSTRUCT 0" CURB. SEE DETAIL 5/C6.0
24. CONSTRUCT A-CURB. SEE DETAIL 5/C6.0
25. INSTALL DETECTABLE WARNING MAT WITH TRUNCATED DOMES PER CCAUSD 235
26. REPAINT PARKING STRIPES AND ADA SYMBOL. WHITE FOR REGULAR PARKING AND BLUE PAINT FOR ADA PARKING SPACES
27. CONSTRUCT 24" R-TYPE ROLL CURB PER CCAUSD 217.3.S1
28. TRANSITION FROM A-CURB TO ROLL CURB IN 4 FT
29. CORE DRILL EXISTING SDMH AND CONNECT 10"PVC PIPE AT INV: 3045.10
30. SLOT DRAIN, SEE POOL DECK PLANS
31. CONSTRUCT SIDEWALK DRAIN PER CCAUSD 236



LOCATION MAP

NOT TO SCALE

UTILITY CROSSING NOTES:

– COMPLY WITH UDACS SECTION 2.22.03 FOR WATER AND SEWER SERVICE LATERAL CROSSINGS

1. TOP OF EX. 24"SD=3049.00 BOT. OF 4"W=3050.10 (1.10' VERTICAL SEPARATION)
2. TOP OF EX. 24"SD=3046.84 BOT. OF 4"W= 3049.25 (2.41' VERTICAL SEPARATION)
3. TOP OF EX. 24"SD=2040.80 BOT. OF 4"W= 3042.50 (1.70' VERTICAL SEPARATION)

CLV STORM 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 CITY OF LAS VEGAS 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 THE LVMC 14.18.130 AND CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICTS HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL SECTION 1500 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5..

4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

6. POST-CONSTRUCTION BMPs (PCBMPs)/CONTROL MEASURES NOTED ON THE GRADING PLANS ARE MANDATORY PERMANENT REGULATORY STORMWATER POLLUTION CONTROLS. THESE PCBMPs MUST BE INSTALLED PER THE APPROVED PLANS AND MUST BE PERMANENTLY MAINTAINED.

GRADING PLAN CERTIFICATION

EDGAR LEON PE #21493 DATE

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT. (DS5641)

A.P.N.:

137-35-501-004

BASIS OF BEARINGS:

BASIS OF BEARING IS THE CENTERLINE OF PAVILION CENTER DRIVE FROM THE INTERSECTION WITH GREENMOOR LANE SOUTH TO THE PC OF PAVILION CENTER DRIVE AS SHOWN BY THAT MAP ON FILE IN BOOK 75 OF PLATS, PAGE 75 IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA

BENCHMARK:

CITY OF LAS VEGAS BENCHMARK – 0LV09 36NWS BEING A RIVET & PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF PAVILION CENTER DRIVE AND GREENMOOR. ELEVATION: 3044.40 FEET / 927.93501 METERS (NAVD '88 DATUM)

TYPICAL GRADING AWAY FROM BUILDING

CUT	FILL
9,495 CY	42 CY

NOTE: CUT/FILL QUANTITIES ARE TO FINISHED GRADE & DO NOT INCLUDE MATERIAL THICKNESS'S, FOOTINGS, ETC.
NOTE: ADD 3000' TO ALL ELEVATION TAGS

EXISTING UTILITY NOTE:

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

FLOOD ZONE NOTE:

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY AND INCORPORATED AREAS, NEVADA, COMMUNITY PANEL NUMBER: 32003C2170F, EFFECTIVE DATE: NOVEMBER 16, 2011. THE SITE FALLS WITHIN ZONE 'X', DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

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 ROUGH 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., PROJECT No.20174234E1, 9-22-2017.

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 OR 1-800-227-2800

FAST
Call before you Underground
1-702-432-5300
FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION

Avoid hitting overhead power lines. It's costly.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

LEGEND
CL OR SURVEY LINE
PROPERTY LINE
ROW LINE
EASEMENT LINE
SAWCUT LINE
SCARP LINE

DESCRIPTION:	BUILDING OUTLINE	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	CONTOUR LINES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	60' ROW LED STREETLIGHTS	80' ROW LED STREETLIGHTS	100' ROW LED STREETLIGHTS	INTERSECTION STREETLIGHTS
EXISTING:						(2210)			(12.34) BC		S	Ⓢ = SANITARY SEWER									
PROPOSED:						2122			12.34 BC		Ⓢ	Ⓓ = STORM DRAIN									
												Ⓔ = ELECTRICAL									
												Ⓣ = TELEPHONE									

REV.:	DATE:	BY:	DESCRIPTION:

Lochsa engineering
6345 South Jones Blvd
Suite 100
Las Vegas, NV 89118
Phone (702) 365-9312
Fax (702) 365-9317
www.lochsa.com

SHEET: GRADING PLANS SHEET 1 OF 1

TITLE: CITY OF LAS VEGAS REGIONAL AQUATIC CENTER AT PAVILION POOL LAS VEGAS, NEVADA

PROJECT No.: 211046
DATE: 5/25/2023
SCALE: 1"=20'
DRAWN BY: CP
DESIGNED BY: CP
CHECKED BY: GW

PROFESSIONAL ENGINEER EDGAR LEÓN EXP: 12/31/2023 CIVIL No. 21493 STATE OF NEVADA
2023.05.25 11:12:25-07'00'
5/25/23

SHEET No.
C4.0
SHEET 6 OF 8

L23-00566
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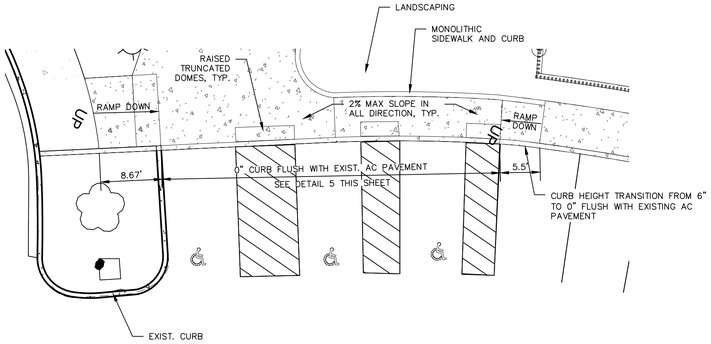
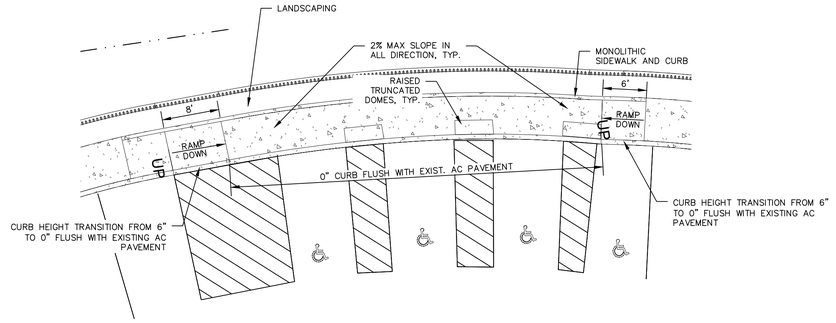
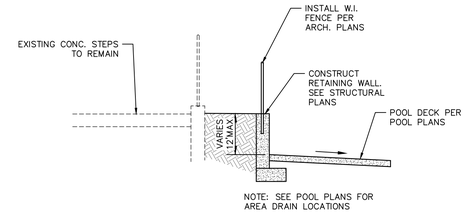




4 ADA RAMP DETAILS

1"=10'



G SECTION

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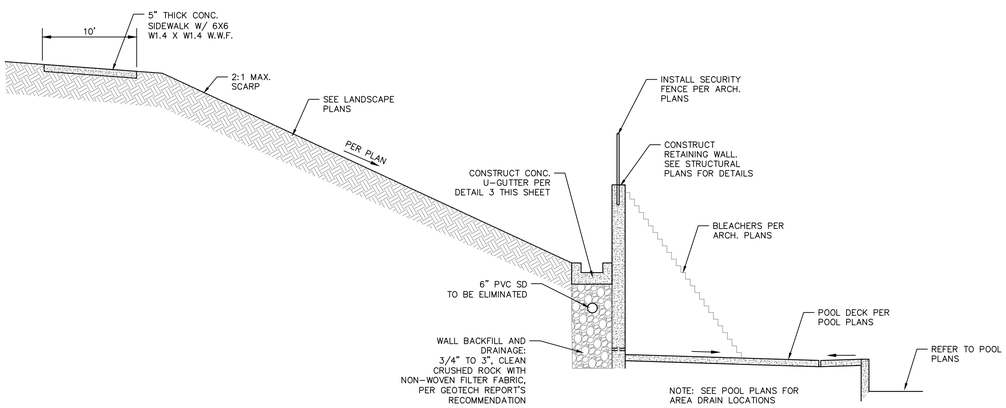

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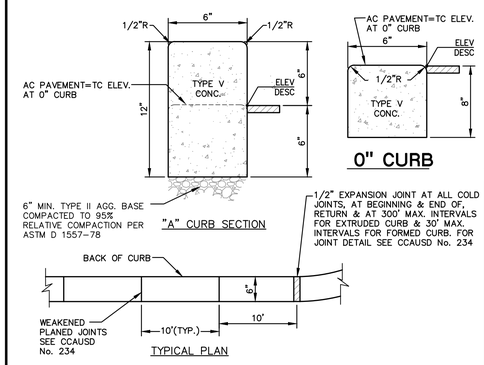
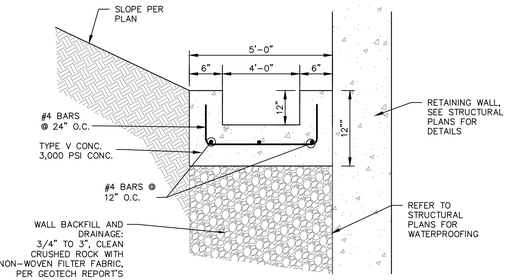


5 ON-SITE 'A' CURB AND 0" CURB



3 CONCRETE U-GUTTER

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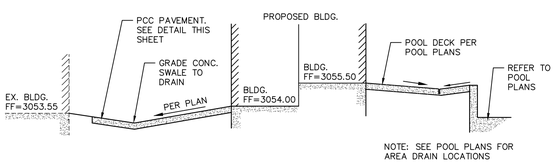

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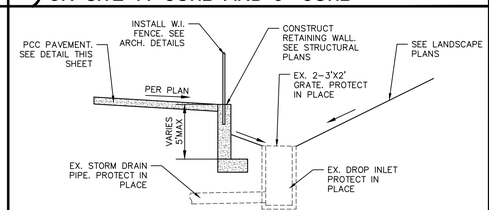
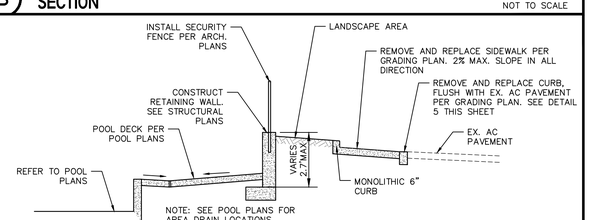


F SECTION



A SECTION

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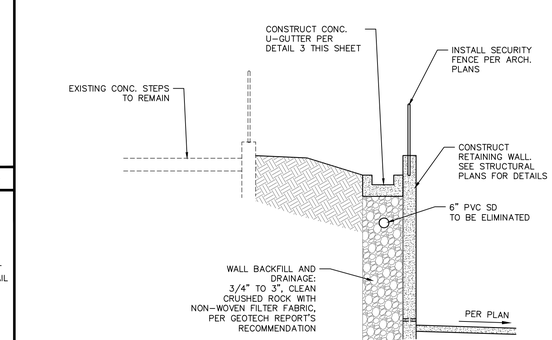

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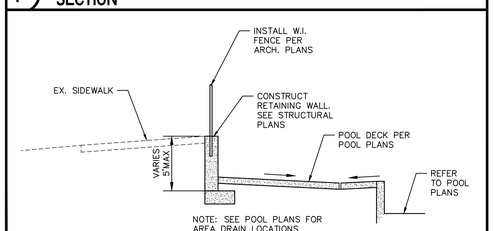

E SECTION

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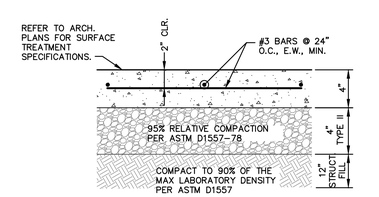


1. FOR SIDEWALK AREAS WITH NO VEHICLE TRAFFIC.

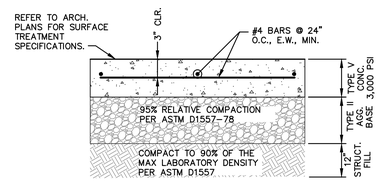
2. REFER TO CCAUSD NO. 234 FOR CONCRETE SIDEWALK DETAILS

3. REFER TO ARCH. PLANS FOR JOINT SPACING AND CONSTRUCTION JOINT LOCATION. IN GENERAL, CONTROL JOINTS SHALL BE SPACED APPROXIMATELY 5' FOR SIDEWALK AND 6' FOR LARGER SLABS.

GEOTECHNICAL REPORT:
SOUTHWEST GEOTECHNICAL
PROJECT No. 206207
DATE: OCTOBER 8, 2021

1 ON-SITE CONC. FLATWORK

NOT TO SCALE



TYPE OF TRAFFIC	CONCRETE (inches)	TYPE II BASE COURSE (inches)
TRUCK AND HEAVY TRAFFIC AREAS	8"	6"

1. FOR AREAS WITH VEHICLE TRAFFIC (PARKING, FIRE LANES, MAINTENANCE ACCESS, TRASH ENCLOSURES, ETC.)

2. REFER TO CCAUSD NO. 232 FOR CONCRETE PAVEMENT CONSTRUCTION DETAILS, IF APPLICABLE.

3. CONTROL JOINTS SHALL BE SPACED 10' MAX.

4. REFER CCAUSD NO. 233 FOR CONCRETE JOINT DETAILS.

GEOTECHNICAL REPORT:
SOUTHWEST GEOTECHNICAL
PROJECT No. 206207
DATE: OCTOBER 8, 2021

2 PCC CONC. PVMNT. SECTION (ON-SITE)

NOT TO SCALE

REV:	DATE:	BY:	DESCRIPTION:

Lochsa engineering
6345 South Jones Blvd
Suite 100
Las Vegas, NV 89118
Phone (702) 365-9312
Fax (702) 365-9317
www.lochsa.com

SHEET: DETAIL SHEETS SHEET 1 OF 1

TITLE: CITY OF LAS VEGAS REGIONAL AQUATIC CENTER AT PAVILION POOL LAS VEGAS, NEVADA

PROJECT No.: 211046

DATE: 5/25/2023

SCALE: NTS

DRAWN BY: CP

DESIGNED BY: CP

CHECKED BY: GM

PROFESSIONAL ENGINEER STATE OF NEVADA
EDGAR LEÓN
EXP: 12/31/2023
CIVIL
No. 21493
5/25/23

SHEET No.
C6.0
SHEET 8 OF 8

L23-00566
107VXXXX

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