

**TECHNICAL DRAINAGE STUDY
UPDATE No. 2
Skye Canyon Phase 3 Infrastructure**
City of Las Vegas, Nevada

Job No.: OLY1602.000
Date: January 2018

Prepared By:

Slater Hanifan Group, Inc.
5740 S. Arville Street, Suite 216
Las Vegas, Nevada 89118
Phone: 702-284-5300 • Fax: 702-284-5399

Prepared For:

Ninety-Five Management, LLC
11411 Southern Highlands Parkway, Suite 300
Las Vegas, Nevada 89141
Phone: 702-220-6565 • Fax: 702-220-6566



Lant Leavitt, P.E.
NV Professional Engineer No. 18287

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: Skye Canyon – Phase 3 Infrastructure Date: January 5, 2018
 Location of Development: a) Descriptive (Cross Streets): North/South: Grand Canyon Drive
East/West: Skye Canyon Park Drive
 b) Section: 7 Township: 19 South Range: 60 East
 c) APN: 125-07-210-003

Name of Owner/Developer: M F Land, LLC / Ninety-Five Management, LLC
 Telephone No.: 702-220-6565 Fax No.: 702-220-6566 E-mail Address: bwilliamson@olympiacompanies.com
 Address: 11411 Southern Highlands Parkway, Suite 300; Las Vegas, NV 89141

Contact Person – Name: Lant Leavitt, P.E. Telephone No.: 702-284-5300
 *E-mail Address: lleavitt@shg-inc.com Fax No.: 702-284-5399
 Firm: Slater Hanifan Group
 Address: 5740 S. Arville Street, Suite 216; Las Vegas, NV 89118

Type of Land Development/Land Disturbance Process:

☐ Rezoning	☐ Subdivision Map	☐ Clearing and grading Only
☐ Parcel Map	☐ Planned Unit Development	☒ Other (Please specify below)
☐ Large Parcel Map	☐ Building Permit	☐ Roadway & Storm Drain Infrastructure

1. Total Owned Land Area: At Site: 37.5 Acres Being Developed/Disturbed: 3.4 Acres +/-
2. Is a portion or all of the subject property located in a FEMA Flood Hazard Area? ☐ Yes** ☒ No
3. Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? ☐ Yes** ☒ No
4. Proposed type of development (Residential, Commercial, Etc.): Roadway
5. Approximate upstream land area which drains to the subject site: 1.6 sq. miles +/-
6. Has the site drainage been evaluated in the past? ☒ Yes** ☐ No If yes, please identify documentation: Master Drainage Study for Skye Canyon (SHG, DS4420)
Technical Drainage Study for Skye Canyon Phase 3 Infrastructure (SHG DS4796)
7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: East into ephemeral wash that crosses Grand Canyon approximately 700-ft north of Skye Canyon Park Drive
8. Briefly describe your proposed schedule for the subject project: ASAP. Phase 3 is divided into 2 phases:
Roadways – Infrastructure TDS; Commercial Subdivision – Onsites TDS. Infrastructure is constructed. Onsites are in progress.



Submit this form as part of the required drainage study to the local entity which has jurisdiction over The subject property. This form may provide sufficient information to serve as the Conceptual Drainage Study.

***Newly Required Field**

**Review and concurrence of the Clark County Regional Flood Control District is required

Local Entity File No.	Revision	Date

REFERENCE: *SHG Job No. OLY1602.000*

STANDARD FORM 1

Updated 05/01/2008



OLY1602.000

January 5, 2018

Albert Sung, P.E.
Flood Control Project Engineer
City of Las Vegas Department of Public Works
333 N. Rancho Drive
Las Vegas, Nevada 89106

Subject: Technical Drainage Study Update No. 2 for Skye Canyon Phase 3 Infrastructure (DS 4796)

Mr. Sung:

Submitted for your review is this *Technical Drainage Study Update No. 2 for Skye Canyon Phase 3 Infrastructure* (hereinafter referred to as the Update No. 2 Letter). The original *Technical Drainage Study for Skye Canyon Phase 3 Infrastructure* (hereinafter referred to as the Original Study) was prepared by Slater Hanifan Group (SHG) and approved on September 22, 2016. The original study addressed the development of roadway and infrastructure improvements intended to support the development of the approximately 30 acre Skye Canyon Phase 3 site. An update to that study (hereinafter referred to as the Update No. 1 Study) was also prepared by SHG and approved on November 8, 2017 to address proposed modifications to the storm drain crossing at Grand Canyon Drive. The purpose of those proposed modifications was to resolve a vertical clearance conflict between the culvert crossing and the driveway entrance proposed by the onsite developer. The City of Las Vegas (CLV) approval letter for the Update No. 1 Study is provided in Appendix A.

Since the approval of the Original Study, the infrastructure improvements have been constructed and onsite commercial development grading (DS 4812) is being performed. The original Grand Canyon Drive culvert (see Original Study Hydraulic Summary Map, Appendix A) was constructed with an interim 14' x 7' RCB entrance to convey flow from the existing wash crossing the site. This interim culvert entrance is not needed now that onsite commercial improvements are being constructed, and the height of the culvert entrance interfered with the driveway entrance grades proposed by the onsite developer. The Update No. 1 Study proposed to remove the interim upstream portion of the culvert and re-design the 60" RCP stub connection to resolve this conflict. However, following approval of the Update No. 1 Study, the determination was made that it would be more cost-effective to move the driveway to resolve the conflict, rather than modify the storm drain.

Purpose

The purpose of this study is to cancel the storm drain revisions proposed with the Update No. 1 Study and propose the new solution of moving the driveway entrance to the south. The updated improvement plans (Appendix C) show the revised location of the driveway. With this solution, the culvert crossing is no longer in conflict with proposed onsite improvements. Instead of being removed, the interim 14' x 7' RCB entrance is now proposed to be blocked with a concrete plug (see Appendix A) and backfilled.

This Update No. 2 Letter is intended to cancel the previous Update No. 1 Study and document the proposed driveway relocation solution to the previous storm drain conflict. No fee payment

is included with this letter per email correspondence dated 01/02/2018 (Appendix A.) A revised improvement plan set has been included in Appendix C to support the conclusions provided in this study. If you have any questions or require additional information, please do not hesitate to contact us at (702) 284-5300.

Respectfully Submitted,

SLATER HANIFAN GROUP



Lant Leavitt, P.E.
Flood Control Division

pc: Rhonda Miller – SHG
Jerry Slater, P.E. – SHG
Jerrod Ratcliffe, P.E. – SHG

LIST OF APPENDICES

Appendix A	Reference Material ▪ Previous Skye Canyon Phase 3 Approval Letter ▪ Previously Approved Skye Canyon Phase 3 Hydraulic Summary Map ▪ 14' x 7' RCB Culvert Entrance Concrete Plug Detail ▪ Email Correspondence with City
Appendix B	Electronic Copy of Study (CD)
Appendix C	Revised Storm Drain Plan and Profile

APPENDIX A

Reference Material

Previous Skye Canyon Phase 3 Approval Letter

Previously Approved Skye Canyon Phase 3 Hydraulic Summary Map

14'x7' RCB Culvert Entrance Concrete Plug Detail

Email Correspondence with City

TECHNICAL DRAINAGE STUDY
UPDATE No. 1
Skye Canyon Phase 3 Infrastructure
City of Las Vegas, Nevada

Job No.: OLY1602.000
Date: October 2017

Prepared By:

Slater Hanifan Group, Inc.
5740 S. Arville Street, Suite 216
Las Vegas, Nevada 89118
Phone: 702-284-5300 • Fax: 702-284-5399

Prepared For:

Ninety-Five Management, LLC
11411 Southern Highlands Parkway, Suite 300
Las Vegas, Nevada 89141
Phone: 702-220-6565 • Fax: 702-220-6566



Lant Leavitt, P.E.
NV Professional Engineer No. 18287

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: November 8, 2017
TO: Land Development Services Department of Building & Safety		FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT:	Drainage Study for: Skye Canyon – Phase 3 Infrastructure – Update #1	
Cross Streets:	NWC of Grand Canyon & Skye Canyon Park	COPIES TO: Slater Hanifan Group
File Number:	F:\Depot\DSMemos\DS4796D.doc	MF Land / Ninety Five Management
Parcel Number:	125-07-201-003	Bart Anderson, P.E., DevCo
Zoning Action:	MOD-62679; SUP-63594; SUP-63597; SDR-63598; VAR-63963 & GPA-64013	
FEMA Flood Zone	YES	NO X
Proposed Storm Drain	YES X	NO

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	4/28/2016	5/24/2016 & 6/28/2016	Not Approved	\$400.00	442241: \$400
2 nd Submittal & Supplement	7/21/2016 & 7/25/2016	8/18/2016	Not Approved	\$400.00	452170: \$400
3 rd Submittal	8/31/2016 & 9/16/2016	9/22/2016	Conditional Approval	\$400.00	456806: \$400
4 th Submittal	10/24/2017	11/8/2017	See Comments Below	\$100.00	490777: \$100
TOTAL FEES (LDDRS):				\$1,300.00	----

REMARKS: Infrastructure necessary for the 38-Acre Commercial Development known as Phase 3.

4th Submittal: Update #1 for RCB Connection Revision

The Drainage Study for the subject project has been reviewed and:

	is approved subject to conformance to all City standards and the following conditions:
	must be resubmitted or supplemented including the following:
	is conditionally approved subject to Clark County Regional Flood Control District concurrence.
X	is conditionally approved subject to the satisfaction of the following conditions:

1. The **Phase 3 Infrastructure** drainage study addresses the included street improvements of *Grand Canyon Drive*, *Skye Park Drive*, *Street "D"*, a local minor detention basin, culvert crossings and storm drain systems within the perimeter streets.
2. The proposed local detention basin near concentration point "CPN" is a minor and temporary facility which will be removed by the developer upon the construction of the ultimate upstream *Regional Flood Control* facilities. This detention basin is to be privately owned and privately maintained by the master developer. The developer shall provide maintenance access to the public storm drain outfall and shall provide a public drainage easement, to be privately maintained. The public drainage easement (privately maintained) must be dedicated and recorded prior to the final approval of the improvement plans.

3. The proposed debris/sediment basins at concentration points "CPN" and "CPS" shall be privately owned and privately maintained by the master developer. These facilities are considered to be temporary in nature and the City understands that the future development and the ultimate *Regional Flood Control* facilities will require that these facilities may be removed by the developer upon the City's approval of a Technical Drainage Study that addresses the impacts of those improvements.
4. The proposed culvert crossings at the concentration points "CPN", "CPS" and "WC9" are oversized interim facilities that are not required in the ultimate condition. All drainage facilities proposed in this **Phase 3 Infrastructure Study** are considered interim facilities and must be maintained by the Master Developer until the upstream ultimate facilities are completed and accepted by the *City of Las Vegas*. The *City of Las Vegas* will not maintain the culverts during all interim conditions. Interim facilities will require an Encroachment Agreement for those facilities within public right-of-way.
5. Future development of the site will require storm drain extensions from "CPN" and "CPS" and the corresponding public drainage easements (privately maintained) traversing the *Skye Canyon Village* site. Dedication shall be provided using the mapping process or by separate legal description and must be approved by *Flood Control* prior to recordation. The easements must be recorded prior to the final approval of the subject improvement plans.
6. The provided Phase 3 Infrastructure plans only show the proposed drainage facilities. The complete improvement plans will require additional review for impacts with other needed infrastructure; i.e. sanitary sewer, water, gas, etc. Any changes to the proposed storm drain system shall require a drainage study update.
7. Since the streets network and the associated storm drain facilities will eventually be accepted by the City, the engineer must coordinate with *City of Las Vegas Streets & Sanitation Department* for their review and approval prior to the final approval of the improvement plans.
8. Structural plans for the storm drain improvements must be submitted for review. Provide a soil report, structural calculations and specifications, wet stamped structural sets and a grading plan to the *City of Las Vegas Building Department* for processing (call *Building Department* to confirm their submittal requirements). The engineer must provide a copy of *Building Department* approval of the structures to *City Flood Control Section* prior to the final acceptance of the improvement plans.
9. The project proposes to build temporary drainage facilities including; detention basins, debris/sediment basins, drainage berms/swales over the *Phase 3* site. Prior to final plan approval the developer must complete a **Maintenance and Liability Agreement** for the interim drainage improvements and post a minimum maintenance bond of \$50,000 or 50-percent of the construction cost for the improvements, whichever is greater. The engineer must submit an estimate of the quantities for construction the facility and an exhibit that adequately shows the location and limits of the drainage facility to *City Flood Control* for approval. Once the drainage study is conditionally approved, the engineer/developer should contact the *City's Land Development Section* (702-229-6371) to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update/letter will be required to justify that the berms/swales are no longer necessary and can be removed.

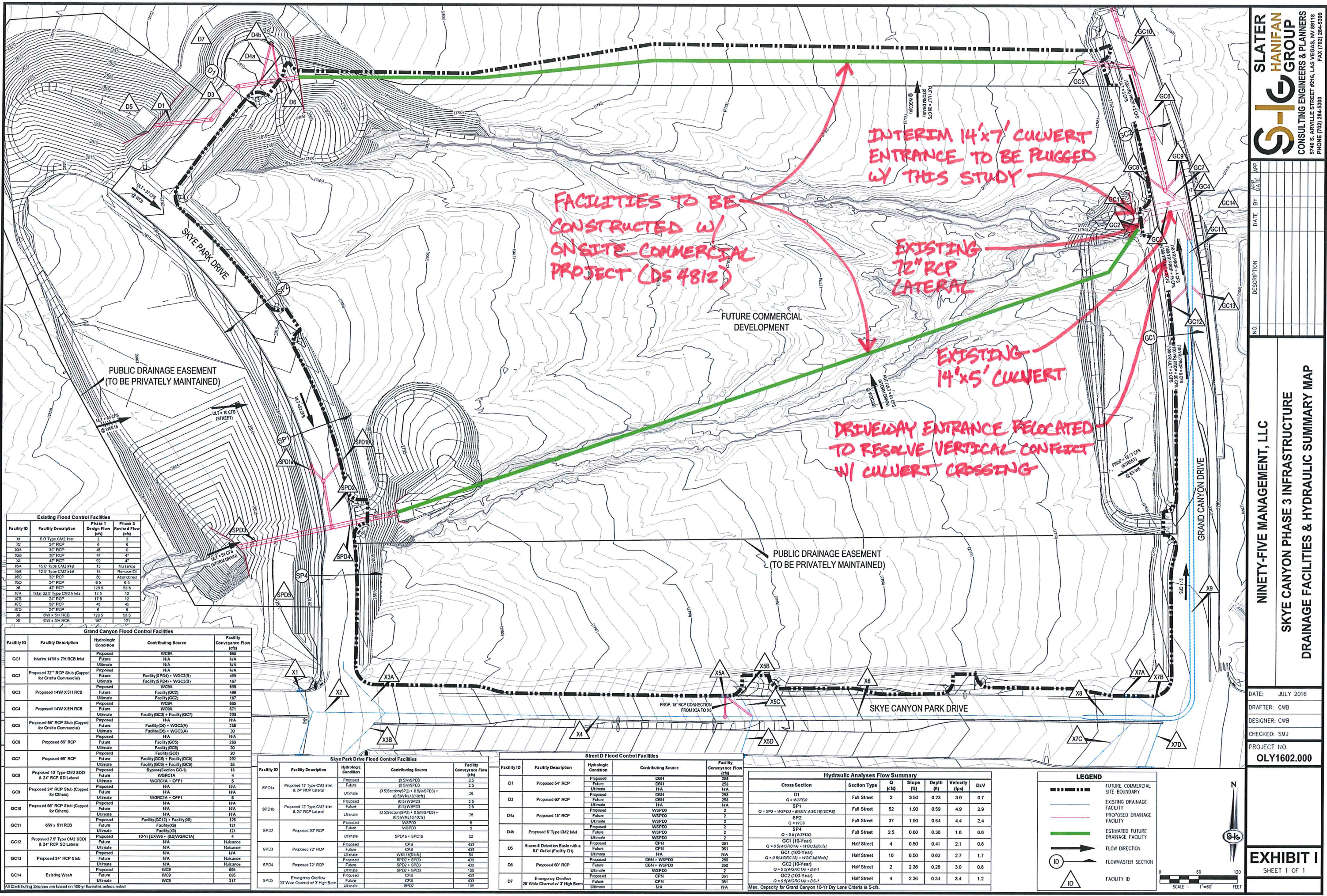
NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the *Nevada Division of Environmental Protection* a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

END OF REMARKS

ays

T/R/S: T19S/R60E/07

AREA G-07



Existing Flood Control Facilities			
Facility ID	Facility Description	Design Flow (cfs)	Phase 3 Revised Flow (cfs)
X1	5' 0" Type CM2 Inlet	6	6
X2	24" RCP	45	0
X3A	32" RCP	47	47
X3B	42" RCP	92	47
X4	15' 0" Type CM2 Inlet	15	Nuisance
X5A	12.5' Type CM2 Inlet	15	Remove DI
X5B	32" RCP	30	Abandoned
X6	24" RCP	0.5	6.5
X7	42" RCP	128.5	53.5
X7A	Total 32.5' Type CM2 Inlets	17.5	12
X8	24" RCP	17.5	12
X9	32" RCP	45	45
X10	24" RCP	6	6
X11	6W x 5H RCB	123.5	33.5
X12	6W x 5H RCB	127	13

Grand Canyon Flood Control Facilities			
Facility ID	Facility Description	Hydrologic Condition	Facility Conveyance Flow (cfs)
GC1	Interim 14W x 7H RCB Inlet	Proposed	665
GC2	Proposed 72" RCP Stub (Capped for Onsite Commercial)	Future	N/A
		Ultimate	N/A
GC3	Proposed 14W x 5H RCB	Future	N/A
		Ultimate	N/A
GC4	Proposed 14W x 5H RCB	Future	N/A
		Ultimate	N/A
GC5	Proposed 66" RCP Stub (Capped for Onsite Commercial)	Future	N/A
		Ultimate	N/A
GC6	Proposed 66" RCP	Future	N/A
		Ultimate	N/A
GC7	Proposed 66" RCP	Future	N/A
		Ultimate	N/A
GC8	Proposed 10' Type CM2 SDI & 24" RCP SD Lateral	Future	N/A
		Ultimate	N/A
GC9	Proposed 24" RCP Stub (Capped for Others)	Future	N/A
		Ultimate	N/A
GC10	Proposed 66" RCP Stub (Capped for Others)	Future	N/A
		Ultimate	N/A
GC11	6W x 5H RCB	Future	N/A
		Ultimate	N/A
GC12	Proposed 7.5' Type CM2 SDI & 24" RCP SD Lateral	Future	N/A
		Ultimate	N/A
GC13	Proposed 24" RCP Stub	Future	N/A
		Ultimate	N/A
GC14	Existing Wash	Future	694
		Ultimate	695

Skye Park Drive Flood Control Facilities			
Facility ID	Facility Description	Hydrologic Condition	Facility Conveyance Flow (cfs)
SPD1a	Proposed 12' Type CM2 Inlet & 24" RCP Lateral	Proposed	2.5
SPD1b	Proposed 12' Type CM2 Inlet & 24" RCP Lateral	Future	2.5
		Ultimate	2.5
SPD2	Proposed 32" RCP	Future	2.5
		Ultimate	2.5
SPD3	Proposed 72" RCP	Future	433
		Ultimate	433
SPD4	Proposed 72" RCP	Future	433
		Ultimate	433
SPD5	Emergency Overflow 30' Wide Channel w/ 3' High Berm	Future	433
		Ultimate	433

Street D Flood Control Facilities			
Facility ID	Facility Description	Hydrologic Condition	Facility Conveyance Flow (cfs)
D1	Proposed 54" RCP	Proposed	258
D3	Proposed 60" RCP	Future	258
		Ultimate	258
D4a	Proposed 18" RCP	Future	2
		Ultimate	2
D4b	Proposed 5' Type CM2 Inlet	Future	2
		Ultimate	2
D5	5-sect-4 Detention Basin with a 54" Outlet (Facility D1)	Future	361
		Ultimate	361
D6	Proposed 60" RCP	Future	260
		Ultimate	260
D7	Emergency Overflow 25' Wide Channel w/ 3' High Berm	Future	361
		Ultimate	361

Hydraulic Analyses Flow Summary						
Cross Section	Section Type	Q (cfs)	Slope (%)	Depth (ft)	Velocity (ft/s)	Dx V
D1	Full Street	2	3.50	0.23	3.0	0.7
D3	Full Street	52	1.50	0.59	4.9	2.9
D4a	Full Street	37	1.90	0.54	4.4	2.4
D4b	Full Street	2.5	0.60	0.36	1.8	0.6
D5	Half Street	4	0.50	0.41	2.1	0.8
D6	Half Street	16	0.50	0.62	2.7	1.7
D7	Half Street	2	2.36	0.26	3.0	0.8
D7	Half Street	4	2.36	0.34	3.4	1.2

LEGEND

- FUTURE COMMERCIAL SITE BOUNDARY
- EXISTING DRAINAGE FACILITY
- PROPOSED DRAINAGE FACILITY
- ESTIMATED FUTURE DRAINAGE FACILITY
- FLOW DIRECTION
- FLOWMASTER SECTION
- △ ID
- △ ID

SCALE

0 60 120

1"=60'

FEET

DATE: JULY 2016

DRAFTER: CWB

DESIGNER: CWB

CHECKED: SMJ

PROJECT NO.: OLY1602.000

SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118

PHONE (702) 384-5300 FAX (702) 384-5399

NINETY-FIVE MANAGEMENT, LLC

SKYE CANYON PHASE 3 INFRASTRUCTURE

DRAINAGE FACILITIES & HYDRAULIC SUMMARY MAP

EXHIBIT I

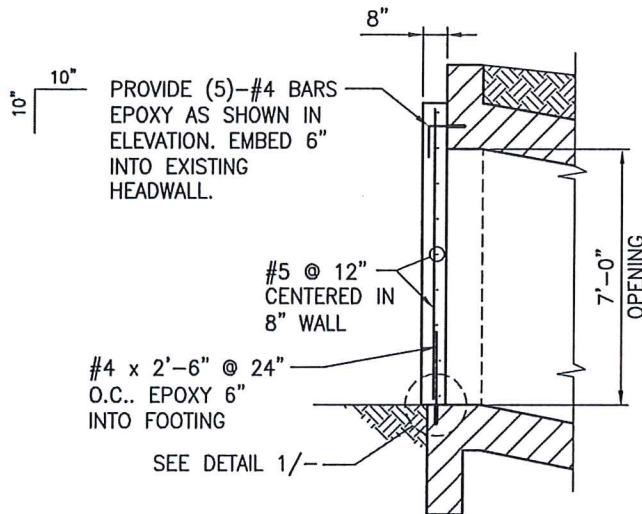
SHEET 1 OF 1

GENERAL STRUCTURAL NOTES

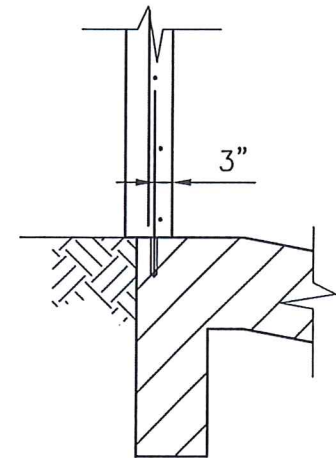
1. **CONCRETE:** CONCRETE SHALL BE CLASS D MODIFIED AND SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO, BY WEIGHT, OF 0.45. USE TYPE V CEMENT PER ASTM C-150. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4", UNLESS NOTED OTHERWISE. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS:

$$f'_c = 4,500 \text{ PSI UNLESS NOTED OTHERWISE}$$

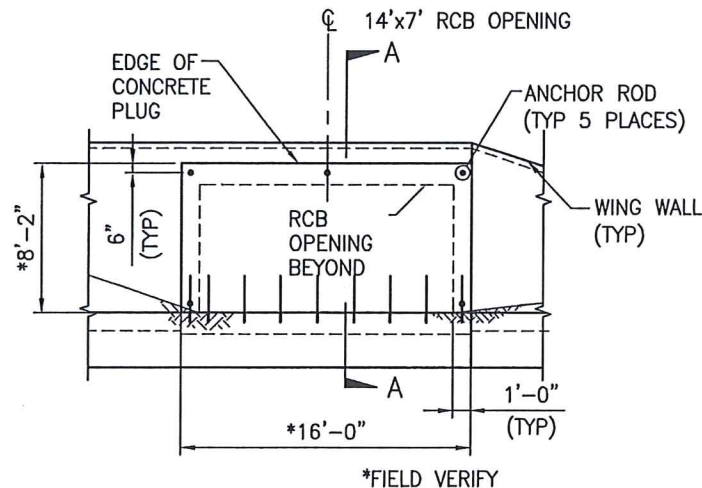
2. **REINFORCING STEEL:** ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. DIMENSIONS ARE FROM OUT TO OUT OF BARS. MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 3" WHERE CONCRETE IS CAST AGAINST SOIL AND 2" ELSEWHERE, UNLESS NOTED OTHERWISE. HOOKS MAY BE ROTATED OR TILTED AS NECESSARY TO PROVIDE THE PROPER CLEARANCES.



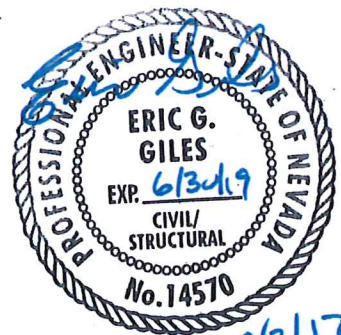
A-A



1 DETAIL
SCALE: NTS



ELEVATION



A DETAIL
SCALE: NTS

From: Albert Sung [<mailto:YSung@LasVegasNevada.GOV>]
Sent: Tuesday, January 02, 2018 5:47 PM
To: Rhonda Miller <rmiller@shg-inc.com>
Cc: David Guerra <DGuerra@LasVegasNevada.GOV>
Subject: RE: Skye Canyon Ph 3 - Cancelled Revision

Rhonda,

To my understanding, even though you didn't change the storm drain but you're saying you changed the driveway location. So this cancelled update doesn't revert exactly back to the previously approved version of plan. Something has changed still, right?

So I want an update letter to explain the revision of driveway and the latest and greatest plan to reflect that. What I can do for you is I can waive the review fee of \$100 and send you the approval within a day or two. Hope this help.

Albert Y. Sung

Project Engineer
Public Works Dept. / Flood Control
(702) 229-6541
333 N. Rancho Dr. 7th Floor
Las Vegas, NV 89106



lasvegasnevada.gov



Your opinion is important! Click [here](#) to take a short survey.

From: Rhonda Miller [<mailto:rmiller@shg-inc.com>]
Sent: Tuesday, January 2, 2018 4:36 PM
To: Albert Sung <YSung@LasVegasNevada.GOV>
Cc: David Guerra <DGuerra@LasVegasNevada.GOV>
Subject: RE: Skye Canyon Ph 3 - Cancelled Revision

Hi Albert,

Skye Canyon Phase 3
Email Correspondence - Driveway Relocation to Resolve SD Conflict

We have already submitted the revision to move the driveway that replaces the storm drain modification revision. This was submitted on 12/28/17 (L-66709-R003). I hope this doesn't complicate things.

I have an idea... can you copy the attached email to your files to show the revision was cancelled? Do you think that will work?

Thank you!

Rhonda Miller
Assistant Project Manager

SLATER HANIFAN GROUP

"The Benchmark of Our Profession."



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LAS VEGASPHOENIX

5740 S. ARVILLE STREET #21611201 N.
LAS VEGAS, NV 89118PHOENIX, AZ
702.284.5300T: 602.687.9664

TATUM BLVD. #250
85028 T:

www.shg-inc.com

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From: Albert Sung [<mailto:YSung@LasVegasNevada.GOV>]

Sent: Tuesday, January 02, 2018 1:26 PM

To: Rhonda Miller <rmiller@shg-inc.com>

Cc: David Guerra <DGuerra@LasVegasNevada.GOV>

Subject: RE: Skye Canyon Ph 3 - Cancelled Revision

Hi Rhonda,

Since the update had already been officially approved by Flood Control, at a minimum, we'll require an update letter to nullify the previous update as a formal record for ourselves.

Albert Y. Sung

Project Engineer
Public Works Dept. / Flood Control

(702) 229-6541

333 N. Rancho Dr. 7th Floor
Las Vegas, NV 89106



Skye Canyon Phase 3
Email Correspondence - Driveway Relocation to Resolve SD Conflict

lasvegasnevada.gov



Your opinion is important! Click [here](#) to take a short survey.

From: Rhonda Miller [<mailto:rmiller@shg-inc.com>]

Sent: Wednesday, December 27, 2017 11:34 AM

To: Albert Sung <YSung@LasVegasNevada.GOV>

Cc: David Guerra <DGuerra@LasVegasNevada.GOV>; Stanley Okey Amadi <samadi@shg-inc.com>; Shannon Cooper <scooper@shg-inc.com>

Subject: FW: Skye Canyon Ph 3 - Cancelled Revision

Hi Albert,

Please see my email to David below. We are canceling this revision and moving the driveway instead. There will be no modifications to the storm drain pipe.

Is there anything we need to do on our end to cancel this revision? I have attached the conditional approval letter for your reference.

Thank you!

Rhonda Miller

Assistant Project Manager

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LAS VEGASPHOENIX

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LAS VEGAS, NV 89118PHOENIX, AZ
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From: David Guerra [<mailto:DGuerra@LasVegasNevada.GOV>]

Sent: Wednesday, December 27, 2017 8:25 AM

To: Rhonda Miller <rmiller@shg-inc.com>

Cc: Shannon Cooper <scooper@shg-inc.com>

Subject: RE: Skye Canyon Ph 3 - Cancelled Revision

So long as Victor is OK for Traffic & Flood is OK it should be smooth.

David Guerra

Skye Canyon Phase 3
Email Correspondence - Driveway Relocation to Resolve SD Conflict

Project Engineer
Building and Safety Department | Land Development Division
702-229-1287
333 North Rancho Drive, Las Vegas, NV 89106



lasvegasnevada.gov



From: Rhonda Miller [<mailto:rmiller@shg-inc.com>]
Sent: Tuesday, December 26, 2017 5:03 PM
To: David Guerra
Cc: Shannon Cooper
Subject: Skye Canyon Ph 3 - Cancelled Revision

Hi Dave,

We submitted a storm drain revision recently that was conditionally approved. We came up with a better and cheaper alternative that voids the previously approved TDS update. See attached approval letter. Is there anything we need to do on our end to cancel this revision?

The replacement revision will be submitted this week. We are sliding the driveway approximately 50' south. This will put the storm drain pipe in a landscaped area where the landscaping will be mounded to cover the top of the exposed pipe. You should get this revision Wednesday or Thursday this week.

Please let me know if you have any questions.

Thank you!

Rhonda Miller,
Assistant Project Manager

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#21611201 N. TATUM BLVD. #250
AZ 85028 T:

www.shg-inc.com

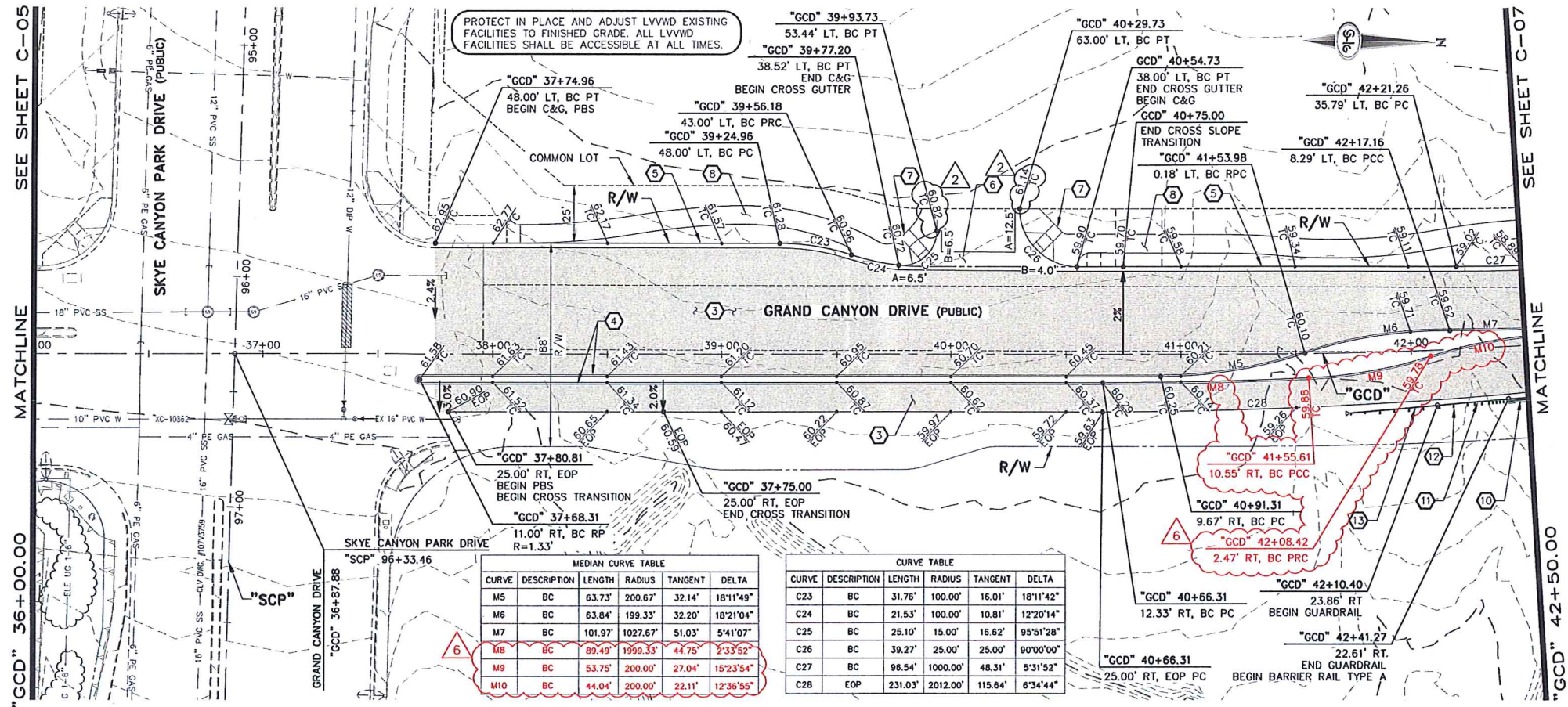
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APPENDIX B

Electronic Copy of Study (CD)

APPENDIX C

Revised Storm Drain Plan & Profile



CONSTRUCTION NOTES

- CONSTRUCT 3" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY-SHEETS)
- CONSTRUCT 1" UTACS OVER 5" PBS OVER 6" TYPE II AGGREGATE BASE
- CONSTRUCT 1" UTACS OVER 4" PBS OVER 4 1/2" TYPE II AGGREGATE BASE (SEE TY-SHEETS)
- CONSTRUCT "A" TYPE ISLAND CURB (USDCCA STD. DWG. NO. 219)
- CONSTRUCT "L" TYPE CURB AND GUTTER (USDCCA STD. DWG. NO. 216)
- CONSTRUCT CONCRETE CROSS GUTTER (USDCCA STD. DWG. NO. 228)
- CONSTRUCT SIDEWALK RAMP (CASE II) WITH TACTILE WARNING PANEL (USDCCA STD. DWG. NO. 235 AND DETAIL 1, SHEET C-08)
- CONSTRUCT CONCRETE SIDEWALK (USDCCA STD. DWG. NO. 234)
- CONSTRUCT TACK-ON MEDIAN (USDCCA STD. DWG. NO. 220.1.S1)
- CONSTRUCT CONCRETE BARRIER RAIL (TYPE A) (NDOT STD. PLAN R-8.6.1) (SEE STRUCTURAL DETAILS)
- INSTALL GUARDRAIL-BARRIER RAIL CONNECTION (NDOT STD. PLAN R-8.4.3)
- INSTALL GUARDRAIL (TRIPLE CORRUGATION) (NDOT STD. PLAN R-8.4.1)
- INSTALL TANGENT END TERMINAL (NDOT STD. PLAN R-8.1.1)
- CONSTRUCT VERTICAL TAPER CONCRETE BARRIER RAIL (NDOT STD. PLAN R-8.6.5)
- CONSTRUCT CONCRETE BUS TURNOUT (USDCCA STD. DWG. NO. 234.4)

NOTES

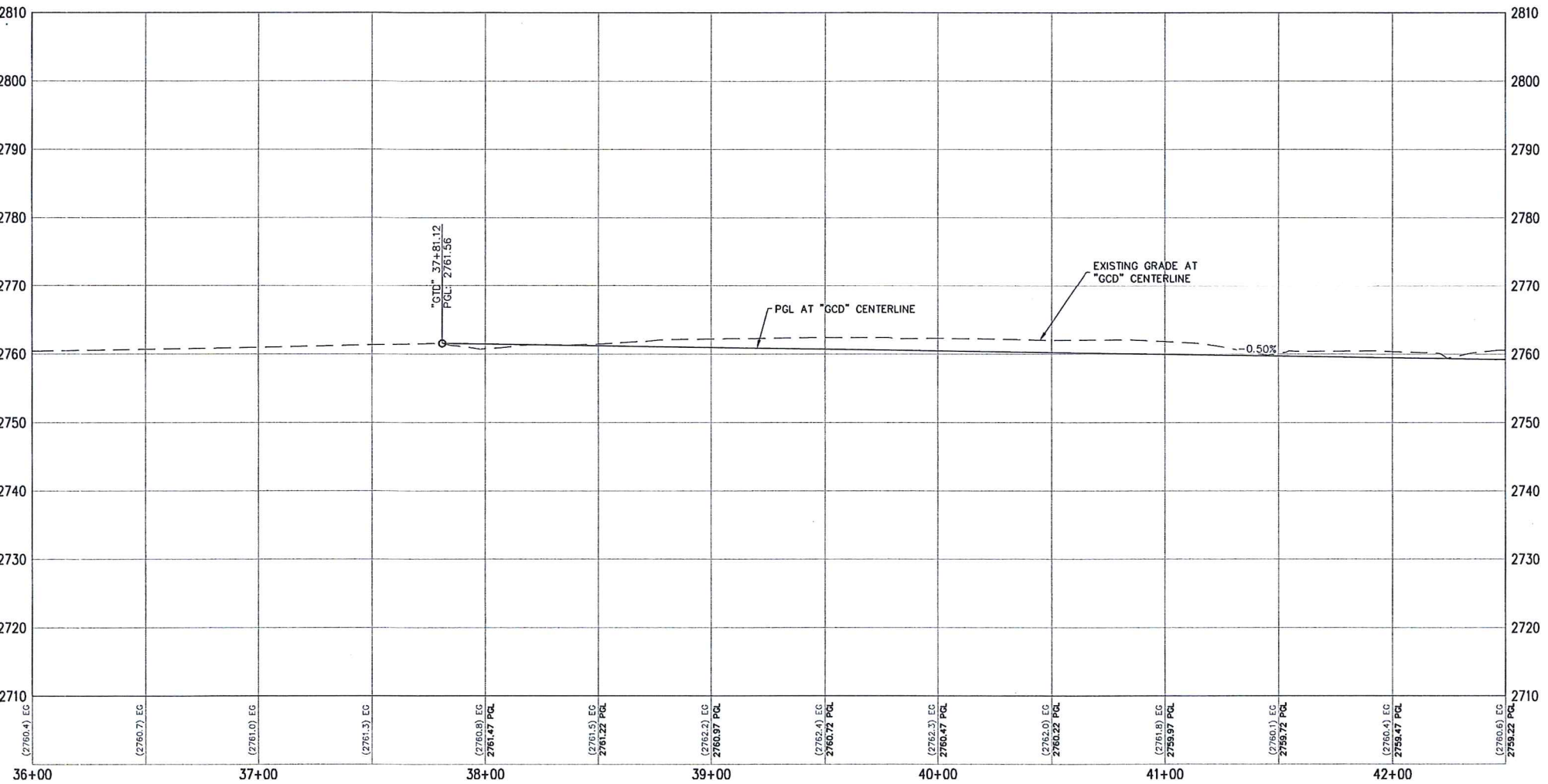
- DIMENSIONS ARE TO BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
- SEE TY-SHEETS FOR TYPICAL SECTIONS.
- SEE SD-SHEETS FOR STORM DRAIN PLAN AND PROFILES.
- SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.
- SEE GR-SHEETS FOR OFFSITE GRADING.

LEGEND

PLANTVIX BITUMINOUS SURFACE (SEE CONSTRUCTION NOTE FOR SECTION)

APPROVED FOR CONSTRUCTION

LVWD ENGINEERING SERVICES MANAGER
PROJECT NO. 124707
DATE
1ST APP'D 1/2/17



KEY MAP

SKYE CANYON PARK DRIVE

SKYE CANYON DRIVE

STREET D

GRAND CANYON DRIVE

SCALE

30 0 30 60 FEET

Call before you Dig

Call before you Dig

Call before you Dig

1-702-227-2929

FAST

Call before you Dig

UnderGround

1-702-432-4300

Call before you Dig

Call

1-800-227-2600

SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3

GRAND CANYON DRIVE

CONSTRUCTION PLAN - "GCD" 36+00.00 TO "GCD" 42+50.00

DATE: 11/17/16

DRAFTER: DAM

DESIGNER: DAM

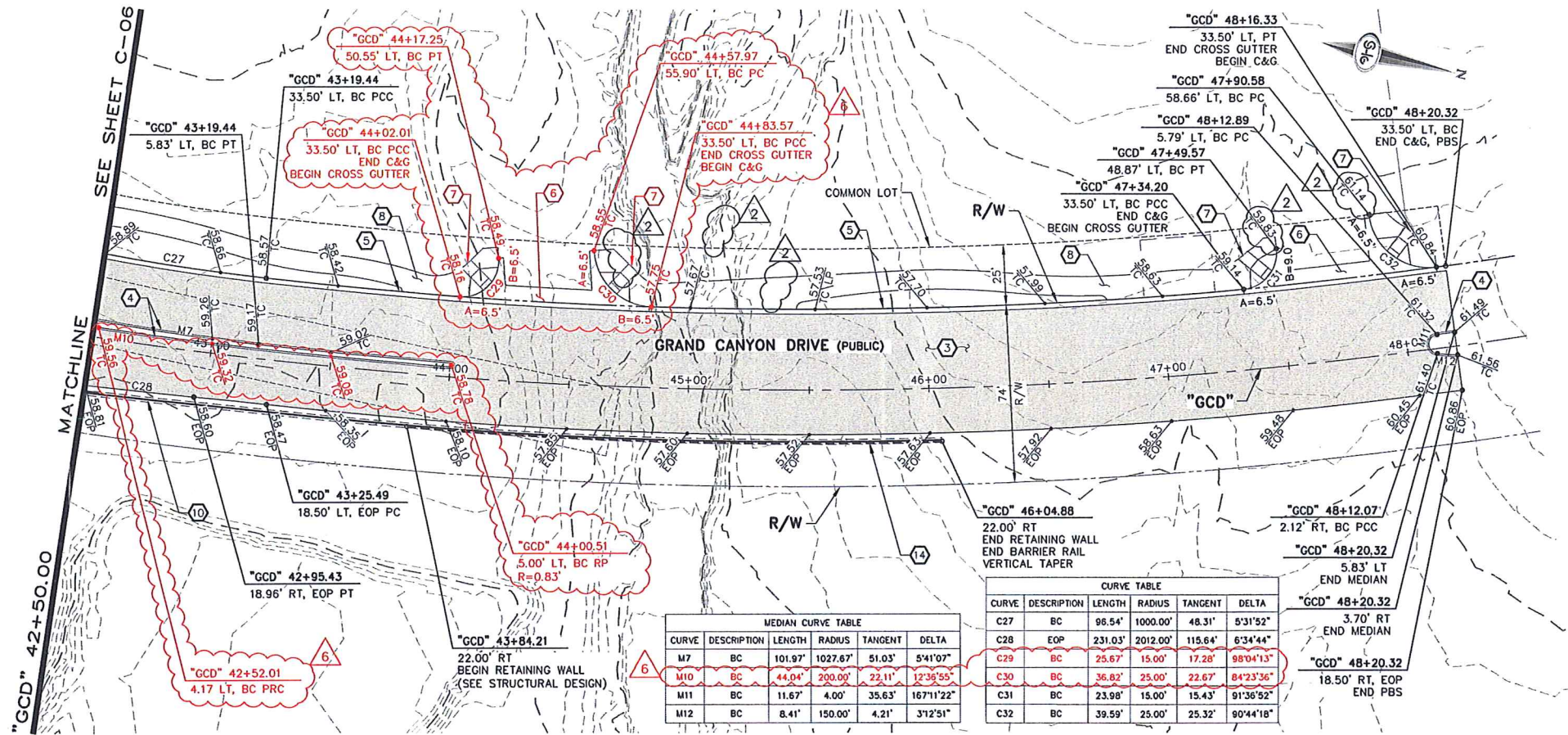
CHECKED: JSR

PROJECT NO. OLY1602-000

C-06

SHEET 14 OF 57

DWG NO. 107Y5044



- ### CONSTRUCTION NOTES
1. CONSTRUCT 3" PBS OVER 4" TYPE II AGGREGATE BASE (SEE TY-SHEETS)
 2. CONSTRUCT 1" UTACS OVER 5" PBS OVER 6" TYPE II AGGREGATE BASE
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 15. CONSTRUCT CONCRETE BUS TURNOUT (USDCCA STD. DWG. NO. 234.4)

- ### NOTES
1. DIMENSIONS ARE TO BACK OF CURB, FACE OF CURB, OR FACE OF MEDIAN UNLESS OTHERWISE NOTED.
 2. SEE TY-SHEETS FOR TYPICAL SECTIONS.
 3. SEE SD-SHEETS FOR STORM DRAIN PLAN AND PROFILES.
 4. SEE UT-SHEETS FOR WATER AND SEWER PLAN AND PROFILES.
 5. SEE GR-SHEETS FOR OFFSITE GRADING.

LEGEND

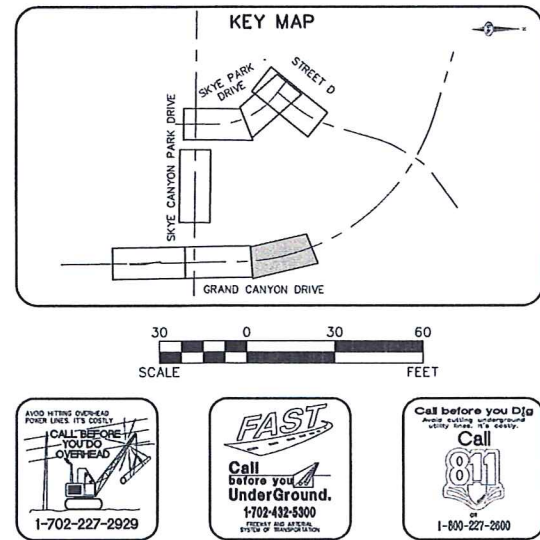
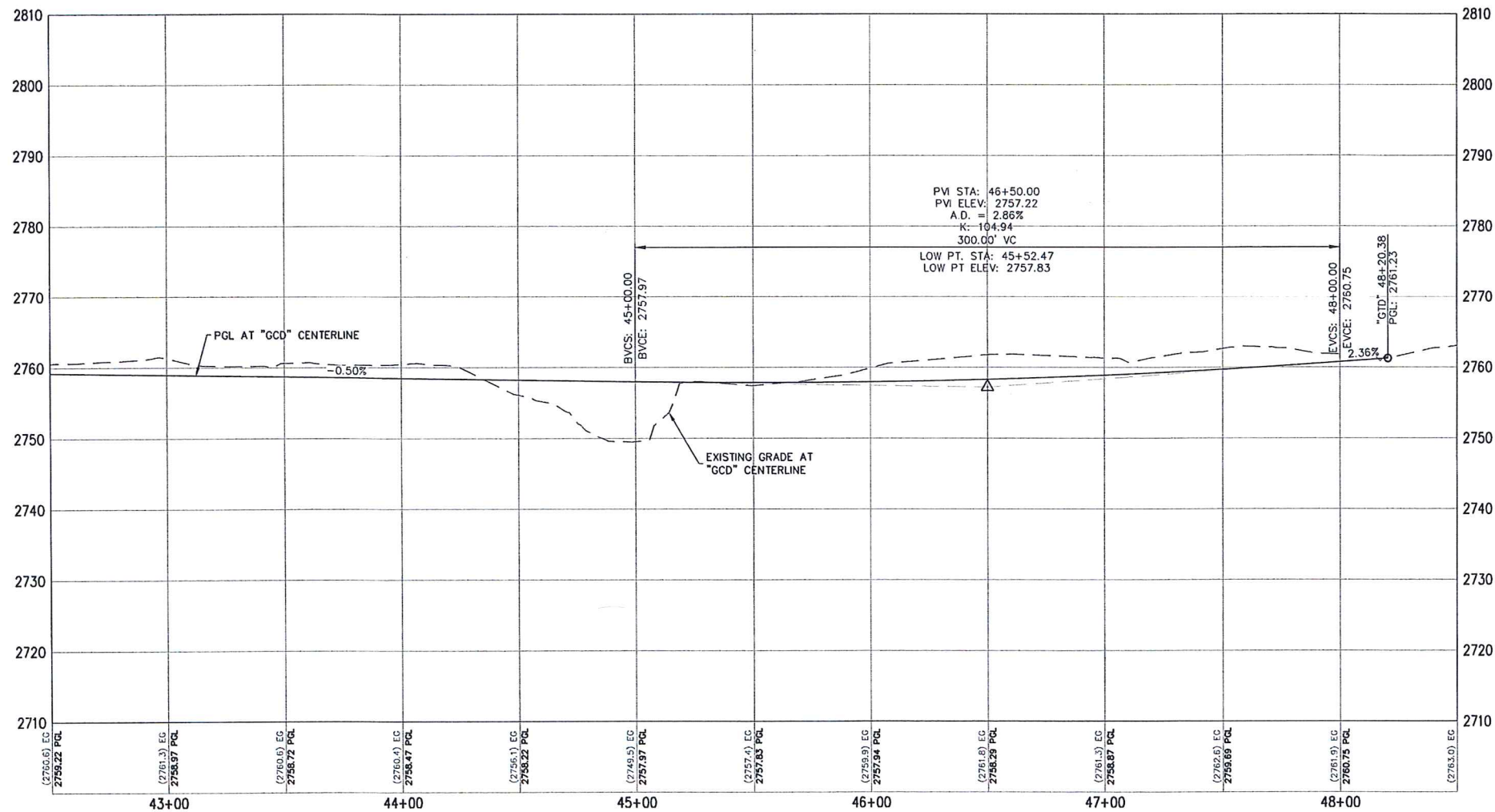
PLANT MIX BITUMINOUS SURFACE (SEE CONSTRUCTION NOTE FOR SECTION)

CURVE TABLE

CURVE	DESCRIPTION	LENGTH	RADIUS	TANGENT	DELTA
C27	BC	98.54'	1000.00'	48.31'	5'31'52"
C28	EOP	231.03'	2012.00'	115.64'	8'34'44"
C29	BC	25.67'	15.00'	17.28'	98'04'13"
C30	BC	36.82'	25.00'	22.67'	84'23'36"
C31	BC	23.98'	15.00'	15.43'	91'36'52"
C32	BC	39.59'	25.00'	25.32'	90'44'18"

MEDIAN CURVE TABLE

CURVE	DESCRIPTION	LENGTH	RADIUS	TANGENT	DELTA
M7	BC	101.97'	1027.67'	51.03'	5'41'07"
M10	BC	44.04'	200.00'	22.11'	12'36'55"
M11	BC	11.67'	4.00'	35.63'	167'11'22"
M12	BC	8.41'	150.00'	4.21'	3'12'51"



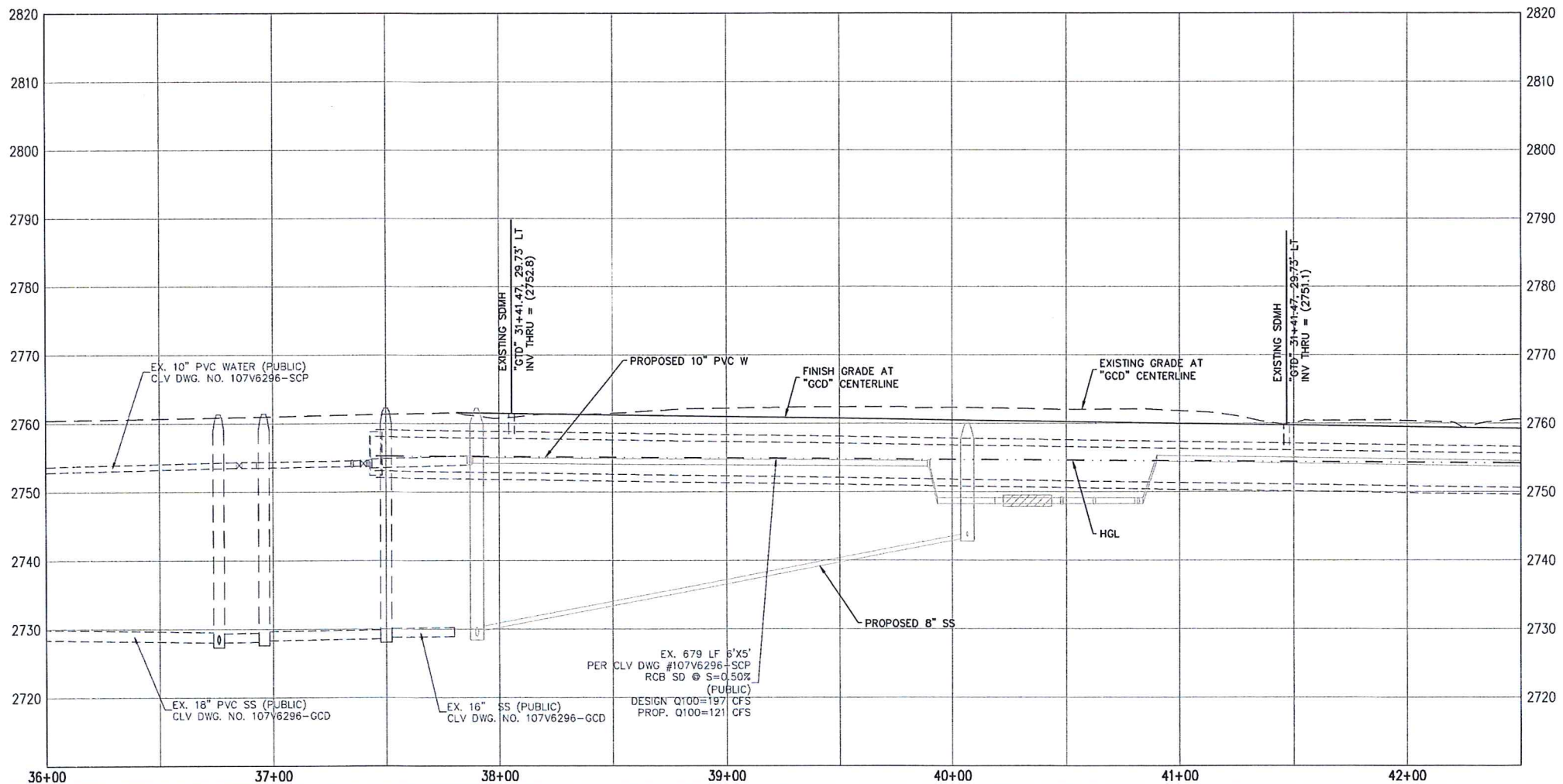
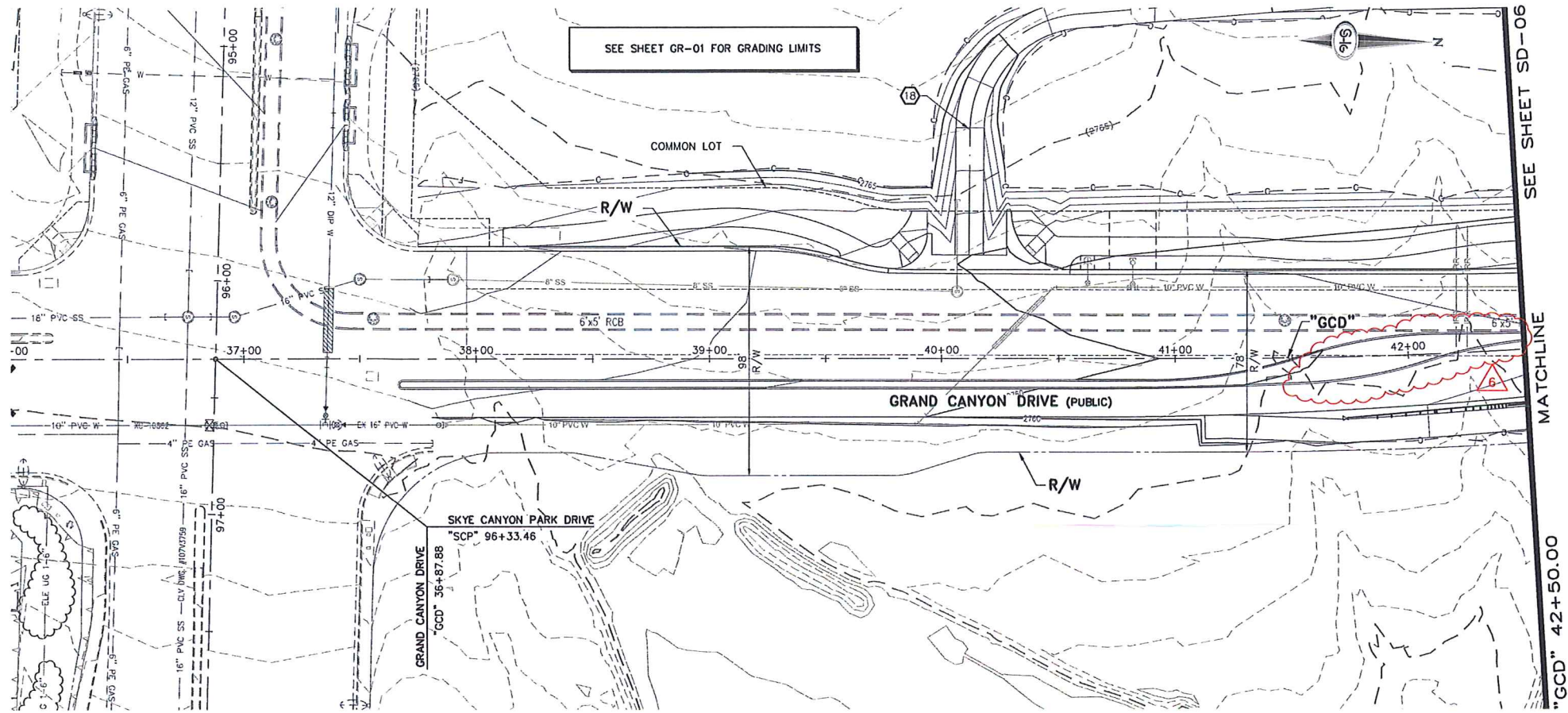
SLATER HANIGAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3
GRAND CANYON DRIVE
CONSTRUCTION PLAN - "GCD" 42+50.00 TO "GCD" 48+50.00

DATE: 11/17/16
DRAFTER: DAM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO. OLY1602-000

C-07
SHEET 15 OF 57
DWG NO. 107Y5044



- ### STORM DRAIN NOTES
1. CONSTRUCT TYPE "CU2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
 2. CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
 3. CONSTRUCT NOOT TYPE 4 MANHOLE (NDOT STD. PLAN R-4.3.2)
 4. CONSTRUCT RCB ACCESS MANHOLE PER STRUCTURAL DETAIL
 5. INSTALL 18" RCP OR WATER QUALITY C905 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 6. INSTALL 24" RCP OR WATER QUALITY C905 AS SHOWN ON PROFILES (USDCCA STD. DWG. NO. 503.2)
 7. INSTALL 30" RCP (USDCCA STD. DWG. NO. 503.2)
 8. INSTALL 54" RCP (USDCCA STD. DWG. NO. 503.2)
 9. INSTALL 60" RCP (USDCCA STD. DWG. NO. 503.2)
 10. INSTALL 66" RCP (USDCCA STD. DWG. NO. 503.2)
 11. INSTALL 72" RCP (USDCCA STD. DWG. NO. 503.2)
 12. CONSTRUCT 6' X 5' RCB (PER STRUCTURAL DETAIL)
 13. CONSTRUCT 14' X 5' RCB (PER STRUCTURAL DETAIL)
 14. PIPE PENETRATION DETAIL PER STRUCTURAL DETAILS
 15. CONSTRUCT BRICK AND MORTAR PLUG (SEE DETAIL 1, DRAWING SD-09)
 16. CONSTRUCT MANHOLE PER STRUCTURAL DETAILS
 17. CONSTRUCT HEADWALL PER STRUCTURAL DETAIL W/POST AND CABLE FENCE, SEE DETAIL 2, DRAWING SD-09
 18. MAINTENANCE ACCESS PATH (SEE GR-01 FOR GRADING PLAN)

- ### NOTES
1. ALL RCP SHALL BE CLASS II UNLESS OTHERWISE SHOWN.
 2. ALL PIPE LENGTHS ARE MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI OR RCB/RCA.
 3. ALL DROP INLETS SHALL INCLUDE STORM WATER MANAGEMENT STAMP AND DETAIL PER USDCCA STD. DWG. NO. 421.
 4. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL DETAILS AND CONNECTIONS.
 5. ALL PIPES ARE PUBLICLY MAINTAINED.
 6. ADD SPECIAL INSPECTION REQUIRED FOR PIPE SEGMENTS WITH SACRIFICIAL CONCRETE.

DROP INLET NOTE

WHERE 10 FEET PARALLEL SEPARATION IS NOT PRACTICABLE:
CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOPS, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL).

LEGEND

1 STORM DRAIN LATERAL # (SEE SHEETS SD-07 THRU SD-09)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4796 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.

JERRY SLATER, P.E. 14167 DATE 12/17/17

FLOOD ZONE

THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL: 32003C1735E, DATED SEPTEMBER 27, 2002

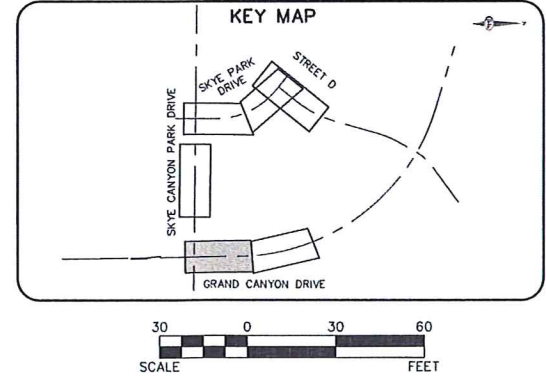
NOTE:

PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES, SUCH AS BUT NOT LIMITED TO, THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF VEGETATION.

APPROVED FOR CONSTRUCTION

LVVWD ENGINEERING SERVICES MANAGER DATE

PROJECT NO. 124707

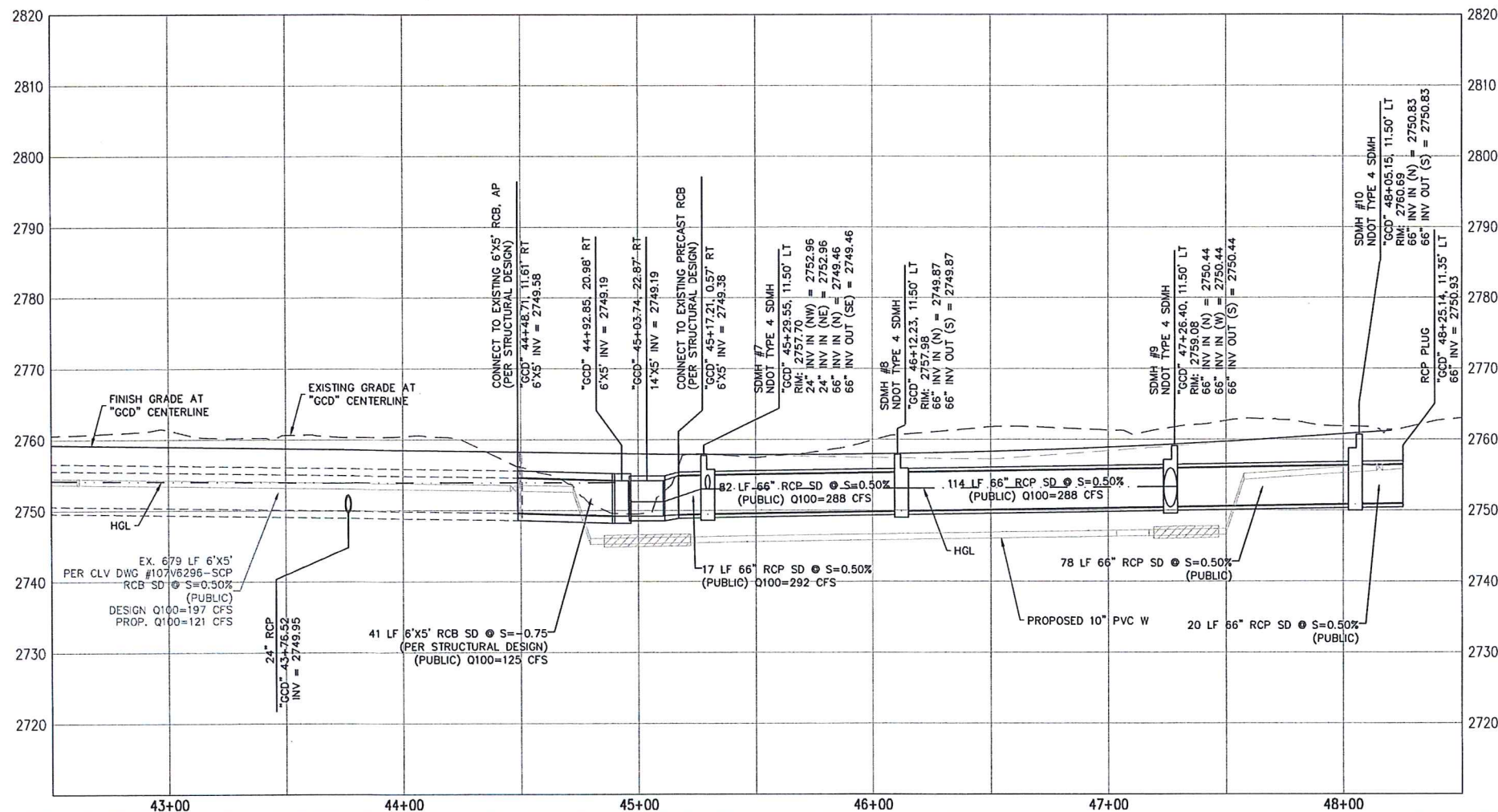
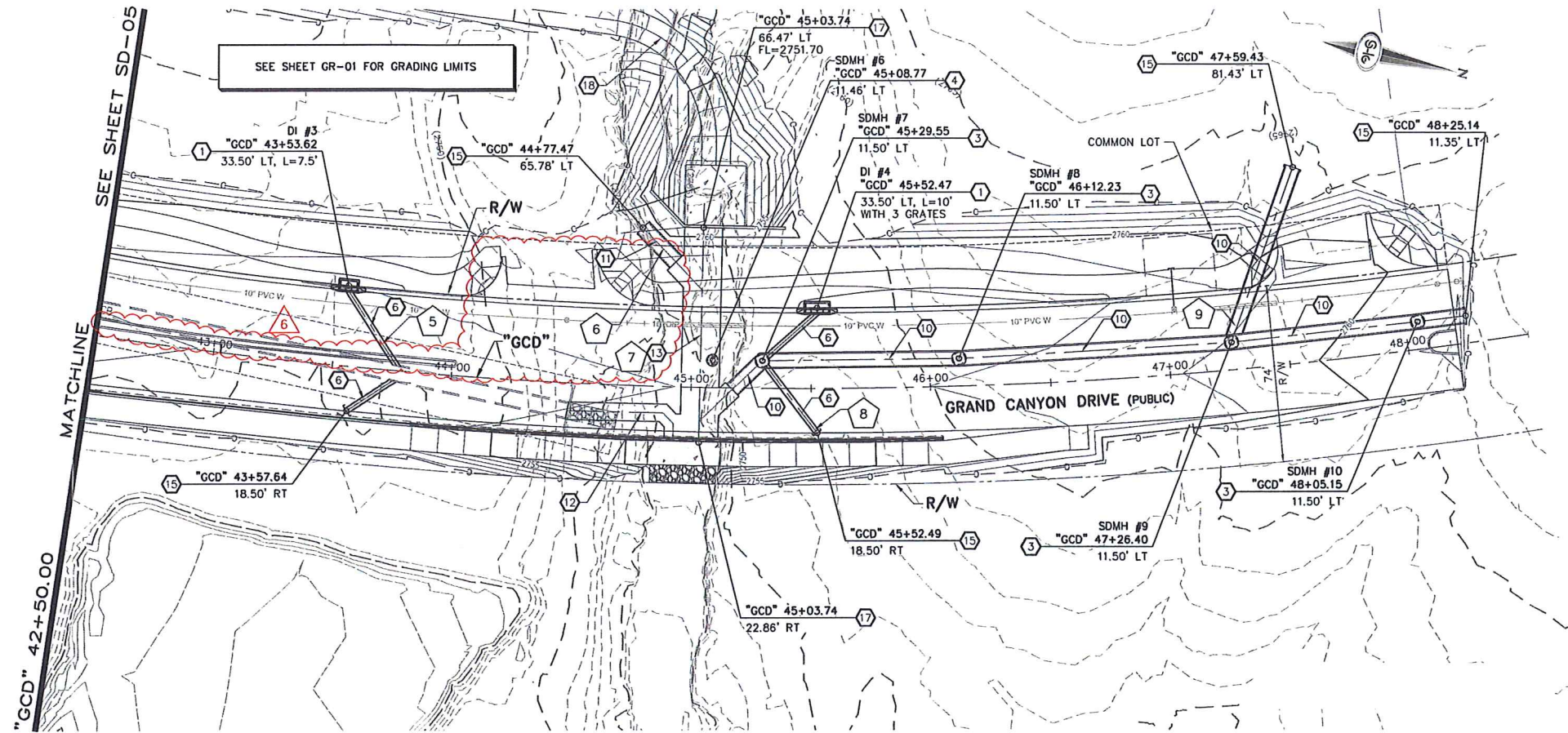


SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5390 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON II PHASE 3
GRAND CANYON DRIVE
STORM DRAIN PLAN AND PROFILE - "GCD" 36+00.00 TO "GCD" 42+50.00

DATE: 11/17/16
DRAFTER: DAM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO. OLY1602-000

SD-05
SHEET 23 OF 57
DWG NO. 107Y5044



STORM DRAIN NOTES

1. CONSTRUCT TYPE "CM2" DROP INLET (USDCCA STD. DWG. NO. 412.1 & 421)
2. CONSTRUCT 60" TYPE III MANHOLE (USDCCA STD. DWG. NO. 406.1)
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17. CONSTRUCT HEADWALL PER STRUCTURAL DETAIL W/POST AND CABLE FENCE, SEE DETAIL 2, DRAWING SD-09
18. MAINTENANCE ACCESS PATH (SEE GR-01 FOR GRADING PLAN)

NOTES

1. ALL RCP SHALL BE CLASS III UNLESS OTHERWISE SHOWN.
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LEGEND

1. STORM DRAIN LATERAL # (SEE SHEETS SD-07 THRU SD-09)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4796 ON FILE AT THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.
JERRY SLATER, DEC. 14/157 DATE 12/27/17

FLOOD ZONE
THE PROJECT SITE IS LOCATED WITHIN A FEW DESIGNATED ZONE "X" (OUTSIDE THE 500-YEAR FLOOD PLAIN) ON THE FLOOD INSURANCE RATE MAP (FIRM) PANEL:32003C1735E, DATED SEPTEMBER 27, 2002

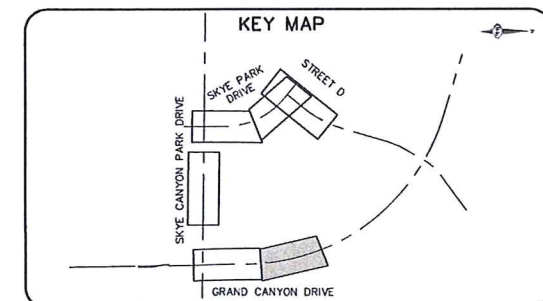
NOTE:

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APPROVED FOR CONSTRUCTION

LYVMD ENGINEERING SERVICES MANAGER
PROJECT NO. 124707

DATE



SCALE 30 0 30 60 FEET



SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

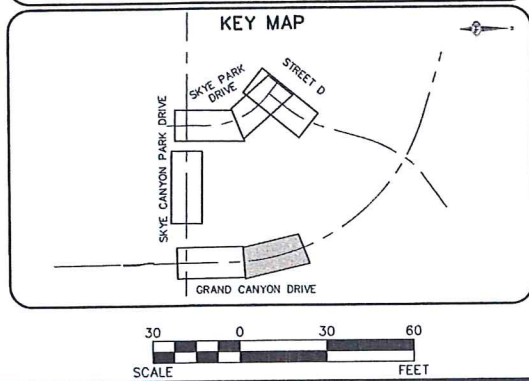
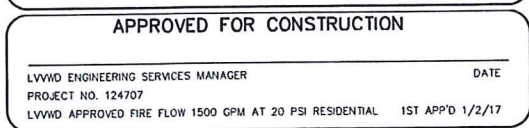
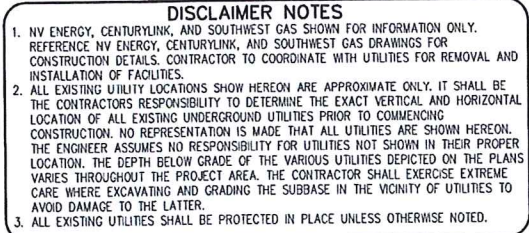
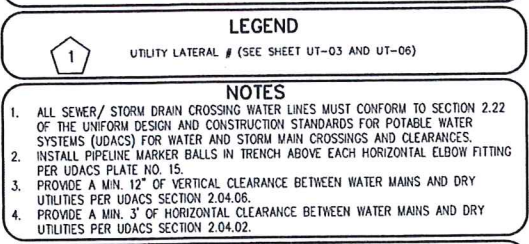
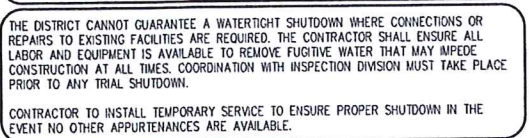
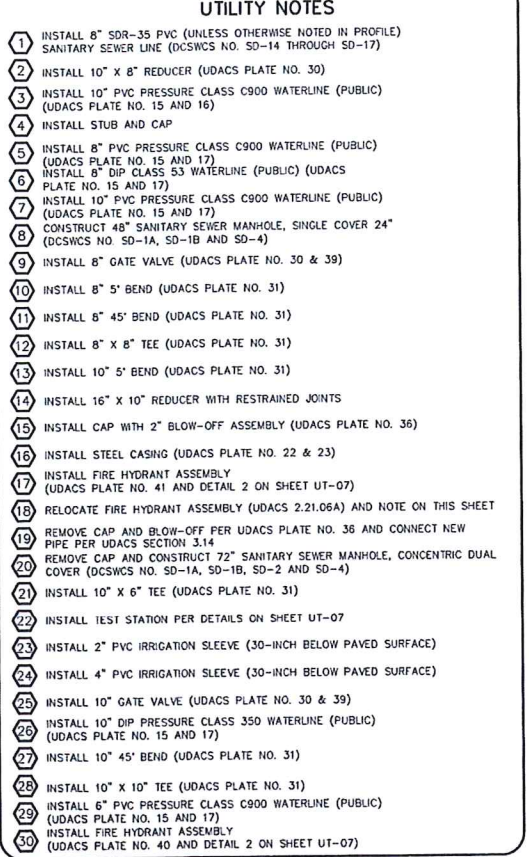
**SKYE CANYON II PHASE 3
GRAND CANYON DRIVE**

STORM DRAIN PLAN AND PROFILE - "GCD" 42+50.00 TO "GCD" 48+50.00

DATE: 11/17/16
DRAFTER: DAM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO.
OLY1602-000



SD-06
SHEET 24 OF 57
DWG NO. 107Y5044

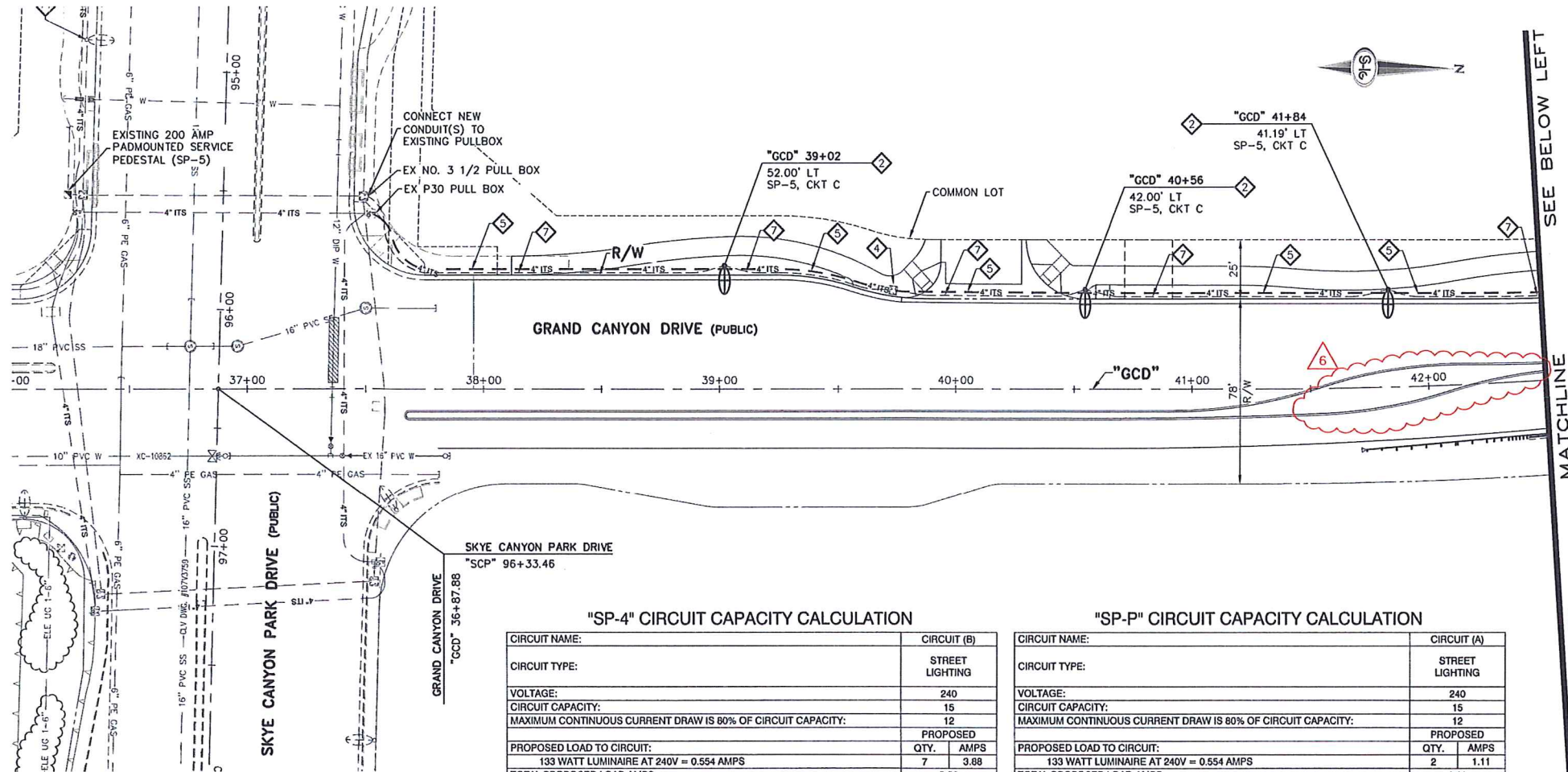


S-I-G **SLATER HANIFAN GROUP**
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PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC
SKYE CANYON II PHASE 3
GRAND CANYON DRIVE
UTILITY PLAN AND PROFILE - "GCD" 42+50.00 TO "

DATE:	11/17/16
DRAFTER:	DAM
DESIGNER:	DAM
CHECKED:	JSR
PROJECT NO.	OLY1602-000
UT-05 SHEET 32 OF 57 DWG NO. 107Y5044	

HANSEN NO. 66209



"SP-4" CIRCUIT CAPACITY CALCULATION

CIRCUIT NAME:	CIRCUIT (B)
CIRCUIT TYPE:	STREET LIGHTING
VOLTAGE:	240
CIRCUIT CAPACITY:	15
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF CIRCUIT CAPACITY:	12
PROPOSED LOAD TO CIRCUIT:	PROPOSED
133 WATT LUMINAIRE AT 240V = 0.554 AMPS	QTY. AMPS
	7 3.88
TOTAL PROPOSED LOAD AMPS =	3.88
EXISTING PLUS PROPOSED LOAD AMPS =	3.88
REMAINING AVAILABLE LOAD AMPS =	8.12

"SP-P" CIRCUIT CAPACITY CALCULATION

CIRCUIT NAME:	CIRCUIT (A)
CIRCUIT TYPE:	STREET LIGHTING
VOLTAGE:	240
CIRCUIT CAPACITY:	15
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF CIRCUIT CAPACITY:	12
PROPOSED LOAD TO CIRCUIT:	PROPOSED
133 WATT LUMINAIRE AT 240V = 0.554 AMPS	QTY. AMPS
	2 1.11
TOTAL PROPOSED LOAD AMPS =	1.11
EXISTING PLUS PROPOSED LOAD AMPS =	1.11
REMAINING AVAILABLE LOAD AMPS =	10.89

LIGHTING NOTES

- INSTALL STREETLIGHT ASSEMBLY (28226) WITH 133-WATT LED LUMINAIRE ON 6-FT ARM ON A 30-INCH DIAMETER 64-INCH DEEP CONCRETE FOUNDATION WITH ANCHOR BOLTS AS RECOMMENDED BY MANUFACTURER
- INSTALL STREETLIGHT ASSEMBLY (28226) WITH 198-WATT LED LUMINAIRE ON 6-FT ARM ON A 30-INCH DIAMETER 64-INCH DEEP CONCRETE FOUNDATION WITH ANCHOR BOLTS AS RECOMMENDED BY MANUFACTURER
- INSTALL STREETLIGHT ASSEMBLY (28226) WITH 198-WATT LED LUMINAIRE ON 8-FT ARM ON A 30-INCH DIAMETER 64-INCH DEEP CONCRETE FOUNDATION WITH ANCHOR BOLTS AS RECOMMENDED BY MANUFACTURER
- INSTALL NO. 3-1/2 PULL BOX (LIGHTING) (USDCCA STD. DWG. NO. 326 & 329)
- 1-4" PVC CONDUIT, 1-#8 LOCATOR WIRE
- 1-3" PVC CONDUIT WITH 2-#4, 1-#8 GND.
- 1-2" PVC CONDUIT WITH 2-#4, 1-#8 GND.
- 1-2" PVC CONDUIT, 1-#8 LOCATOR WIRE
- INSTALL P30 PULL BOX (USDCCA STD. DWG. NO. 329 & 761)
- REMOVE AND RELOCATE EXISTING STREETLIGHT ASSEMBLY TO NEW FOUNDATION AT "SCP" 92+35. REMOVE FOUNDATION TO EXISTING CONDUIT SWEEPS. CONNECT EXISTING CONDUITS AND SPLICE EXISTING CONDUCTORS TO MAINTAIN CIRCUIT
- INSTALL 30-INCH DIAMETER 64-INCH DEEP CONCRETE FOUNDATION WITH ANCHOR BOLTS AS RECOMMENDED BY MANUFACTURER. INSTALL SALVAGED STREETLIGHT ASSEMBLY FROM "SCP" 92+65. INTERCEPT EXISTING CONDUITS AND SPLICE EXISTING CONDUCTORS TO MAINTAIN CIRCUIT
- REMOVE AND SALVAGE (TO OWNER) EXISTING STREETLIGHT. REMOVE FOUNDATION TO MINIMUM 18-INCH BELOW FINISH GRADE
- REMOVE AND SALVAGE EXISTING 6-FT LUMINAIRE ARM AND INSTALL NEW 8-FT LUMINAIRE ARM
- INSTALL 200 AMP PADMOUNTED SERVICE PEDESTAL (USDCCA STD. DWG. NOS. 331 & 332-52) COMPLETE WITH PE CONTROL, CONTACTORS AND BREAKERS (USDCCA STD. DWG. NO. 335-52) TO BE PRIVATELY MAINTAINED
- EXISTING STREETLIGHT ASSEMBLY TO REMAIN IN PLACE

NOTES

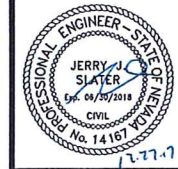
- ALL UNDERGROUND CONDUIT SHALL BE TYPE RMC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USDCCA STD. DWG. NOS. 503 & 505. ABOVE GROUND CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A NYLON PULL STRING AND 1-#8 FOR LOCATING PURPOSES.
- ALL CONDUCTORS SHALL BE STRANDED, 600-VOLT, TYPE THW INSULATED COPPER.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY HAVING JURISDICTION.
- REFER TO LIGHTING STUDY PROVIDED BY APPLICATION SOLUTION CENTER OF LIGHTING SOLUTIONS AND DESIGN CONCEPTS INC. (SEE LAYOUT REFERENCE: A509720) FOR SPACING AND SPECIFICATIONS.

NINETY-FIVE MANAGEMENT LLC

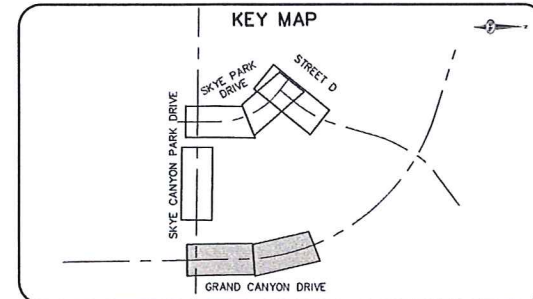
SKYE CANYON II PHASE 3
GRAND CANYON DRIVE

LIGHTING PLAN - "GCD" 36+00.00 TO "GCD" 48+50.00

DATE: 11/17/16
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OLY1602-000



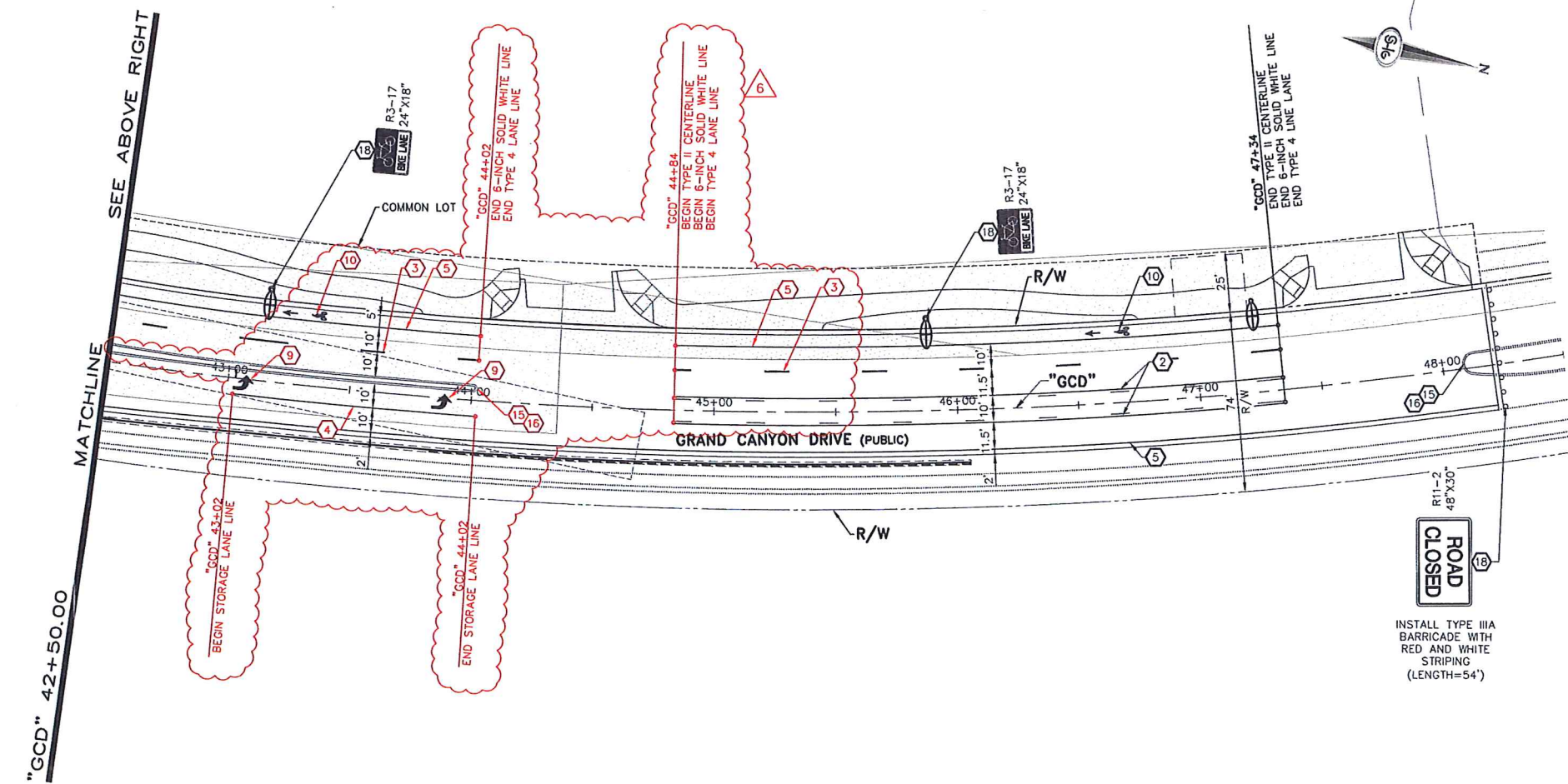
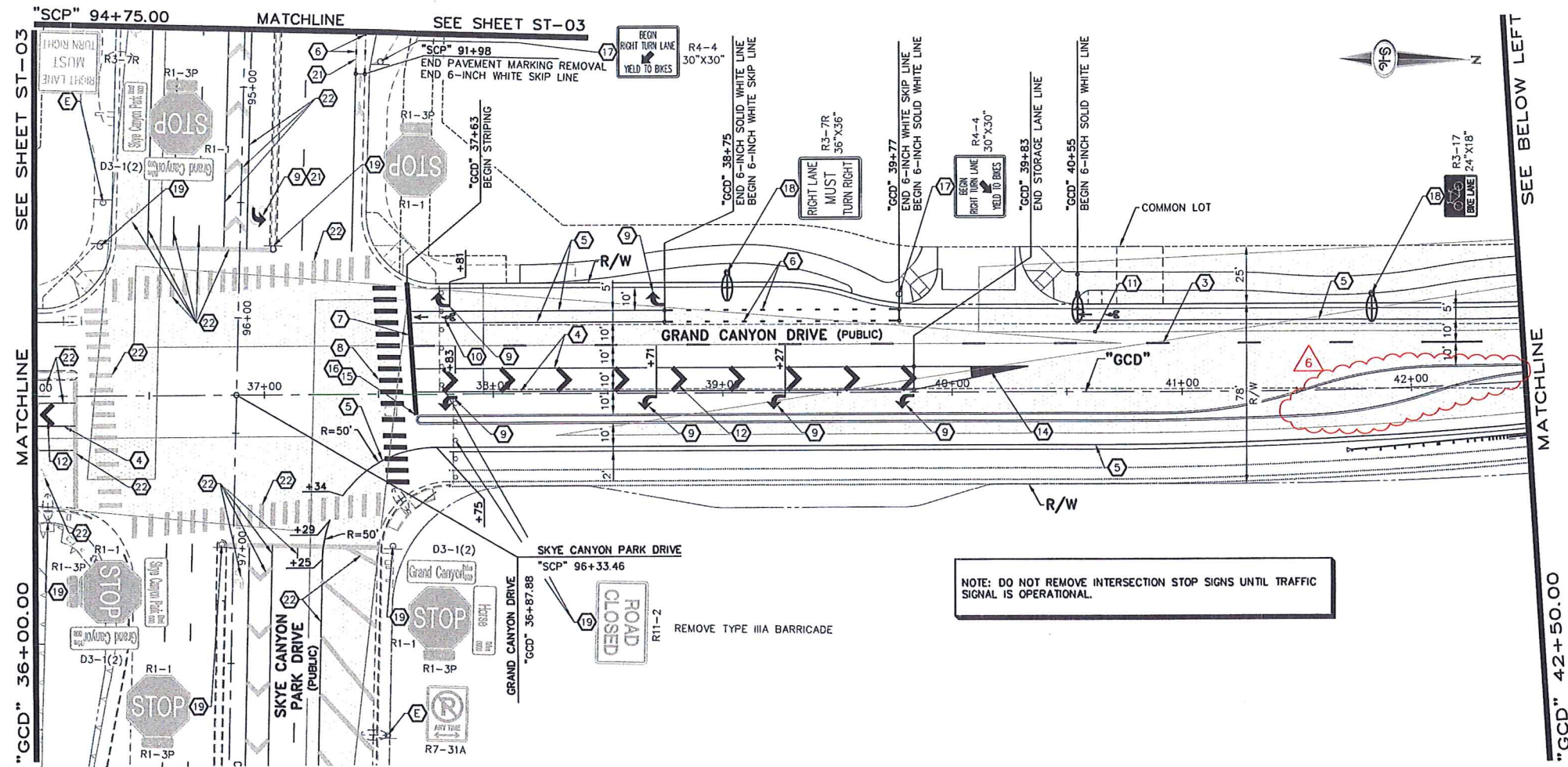
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SHEET 38 OF 57
DWG NO. 107Y5044



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SCALE FEET

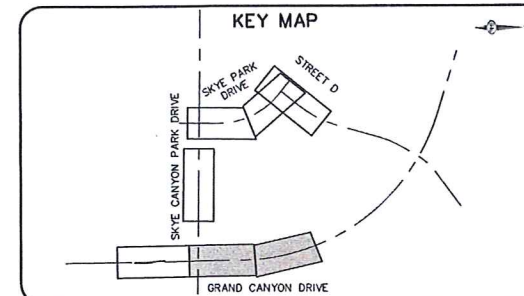
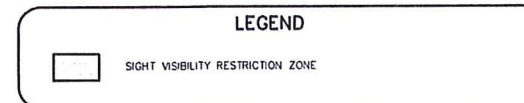


HANSEN NO. 66209



- ### STRIPING NOTES
1. INSTALL TYPE 1 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
 2. INSTALL TYPE 2 CENTERLINE (RPM) (USDCCA STD. DWG. NO. 244)
 3. INSTALL TYPE 4 LANE LINE (RPM) (USDCCA STD. DWG. NO. 244.1)
 4. INSTALL STORAGE LANE LINE (RPM) (USDCCA STD. DWG. NO. 246)
 5. INSTALL 6-INCH SOLID WHITE LINE (PPM)
 6. INSTALL 6-INCH WHITE SKIP LINE (PPM) (USDCCA STD. DWG. NO. 244.9)
 7. INSTALL 24-INCH WHITE STOP BAR (PMF-TYPE 2) (USDCCA STD. DWG. NO. 254)
 8. INSTALL WHITE CROSSWALK LINE (PMF-TYPE 2) (USDCCA STD. DWG. NO. 254)
 9. INSTALL WHITE PAVEMENT ARROW (PMF-TYPE 2)
 10. INSTALL WHITE PAVEMENT BIKE LEGEND (PMF-TYPE 2) (USDCCA STD. DWG. NO. 244.9)
 11. INSTALL FIRE HYDRANT MARKER PER CITY OF LAS VEGAS FIRE CODE
 12. INSTALL 24-INCH WHITE CHEVRON AT 25' O.C. (PMF-TYPE 2)
 13. INSTALL 24-INCH YELLOW DIAGONAL AT 25' O.C. (PMF-TYPE 2)
 14. INSTALL SOLID WHITE TO 5-FOOT WIDTH (PMF-TYPE 2)
 15. INSTALL MEDIAN NOSE MARKINGS (YELLOW) (USDCCA STD. DWG. NO. 248)
 16. INSTALL K-71 SELF RE-ERECTING MARKER POST (YELLOW)
 17. INSTALL NEW SIGN(S) (GROUND MOUNTED)
 18. INSTALL NEW SIGN(S) (POLE MOUNTED)
 19. REMOVE AND SALVAGE SIGN(S)
 20. RELOCATE SIGN(S)
 21. REMOVE PAVEMENT MARKINGS
 22. EXISTING STRIPING TO REMAIN
 23. INSTALL MEDIAN NOSE MARKINGS (WHITE) (USDCCA STD. DWG. NO. 248)
 - E. EXISTING SIGN(S) TO REMAIN

- ### NOTES
1. ALL DIMENSIONS ARE TO THE FACE OF MEDIAN CURB OR LIP OF GUTTER UNLESS OTHERWISE NOTED.
 2. ALL STREET NAME SIGN LEGENDS SHALL BE APPROVED BY CLV PRIOR TO ORDERING SIGNS.
 3. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.



SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NINETY-FIVE MANAGEMENT LLC

SKYE CANYON II PHASE 3
GRAND CANYON DRIVE
SIGNING AND STRIPING PLAN - "GCD" 36+00.00 TO "GCD" 48+50.00

DATE: 11/17/16
DRAFTER: DAM
DESIGNER: DAM
CHECKED: JSR
PROJECT NO. OLY1602-000

ST-04
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