

DS #: 4523

APN: 137-25-411-001

PROJECT: Desert Springs United Methodist Church - update #4

SUBMITTAL: 4th

SCANNED BY/DATE: _____

CHECKED BY/DATE: _____



CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: October 4, 2012
TO: Land Development Services Department of Public Works		FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT: Drainage Study for: Desert Springs United Methodist Church – Update #4		COPIES TO: Wright One Source
Cross Streets:	NEC of Pavilion Center Dr. & Greenmoor Ln.	Church Methodist Desert Springs
File Number:	F:\Depot\DSMemos\DS4523D.doc	Bart Anderson, P.E., DevCo
Parcel Number:	137-25-411-001	
Zoning Action:	CRG-40699	
FEMA Flood Zone	YES NO X	
Proposed Storm Drain	YES NO X	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Transaction #
1 st Submittal	3/1/2011	3/14/2011	Not Approved	\$400.00	163651: \$400
2 nd Submittal & Supplement	4/13/2011 & 5/11/2011	5/17/2011	Approved	\$400.00	166521: \$400
3 rd Submittal	8/16/2012	8/21/2012	Approved	N/C	N/C
4 th Submittal	10/1/2012	10/4/2012	See Comments Below	N/C	N/C
TOTAL FEES (LDDRS):				\$800.00	----

REMARKS:

4th Submittal: Update to shift onsite handicapped parking space

3rd Submittal: Update for Minor modification for onsite curb alignment

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

X	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.

NOTE: Any future changes to the proposed design (or design assumptions) as outlined in the approved drainage study and attached preliminary grading plan which affect drainage must be addressed in a Drainage Study Amendment and accepted by the *City of Las Vegas Flood Control Section*. Additionally, conditional acceptance of a drainage study is valid for a period of one (1) year. If the proposed construction has not been completed in that time period, the *City of Las Vegas* reserves the right to require additional conditions and/or submission and acceptance of a complete drainage study update prior to further construction of a project.

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: T20S/R59E/25
AREA K-25



Rec'd: 10/1/12
DS 4523
K-25
N/C

September 19, 2012

CIVIL
STRUCTURAL
MECHANICAL
ELECTRICAL
PLUMBING
SURVEYING
LEED

Albert Sung
Flood Control
City of Las Vegas Public Works
731 S. Fourth Street
Las Vegas, Nevada 89101

RE: **TECHNICAL DRAINAGE STUDY FOR DESERT SPRING UNITED
METHODIST CHURCH. AKA DSUMC SANCTUARY EXPANSION**
Job No. CN100298

- Update #4

Dear Mr. Sung:

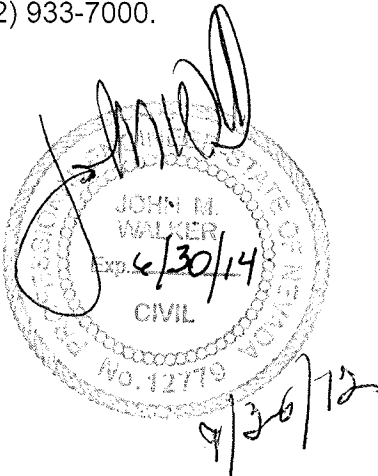
This letter is in regards to the modification to the on-site curb alignment and sidewalk.
This modification does not change the previously delineated drainage patterns

The approved drainage study on file with the City of Las Vegas is:

Update #2 to the TDS for DSUMC (DS3988) completed by Wright Engineers, and
approved on May 17, 2011.

If you have any questions or comments regarding this project, please do not hesitate to
contact this office at (702) 933-7000.

Sincerely,
Wright Engineers



John M. Walker, P.E.
Project Manager

.635 Village Center Cr,
Ste 200
Las Vegas, NV 89134
(p) 702.933.7000
(f) 702.933.7001
800.933.7611
wrightengineers.com



TRANSMITTAL

DATE: Sep 27, 2012

CIVIL

TO: City of Las Vegas – Floor Control
333 N. Rancho Drive, 7th Floor
Las Vegas, NV 89106

ATTN: ALBERT SUNG

STRUCTURAL

MECHANICAL

PROJECT: Desert Spring United Methodist Church
PROJECT No: CN100298-004
PROJECT MGR: Ron Cox

VIA: Hand Deliver
FOR: Approval
COPIES TO:

ELECTRICAL

PLUMBING

FROM: Amber Dolce

ITEM	QTY	DESCRIPTION
PRINTS	1	Wet Stamped Copy of Revised GP1 & GP2
OTHER	1	Revision Letter of Justification
REMARKS:	Albert, please accept the attached revision to Project #DS3988. We are submitting to Land Development and want to make sure that plans for Drainage Study are updated. Let us know if you need anything additional. Thanks!	

ENERGY
MODELING

COMMISSIONING

LEED
ADMINISTRATION

Las Vegas
1635 Village Center
Circle, Suite 200
Las Vegas, NV 89134
(p) 702.933.7000
(f) 702.933.7001
800.933.7611

Irvine
2 Venture, Suite 200
Irvine, CA 92618
(p) 949.477.4001
(f) 949.477.4009

Phoenix
3115 S. Price Road
Chandler, AZ 85248
(p) 480.483.6111
(f) 480.483.6112

Salt Lake
9176 South 300 West
Suite 12
Sandy, UT 84070
(p) 801.352.2001
(f) 801.352.2006
wrightengineers.com
(p) 800.933.7611

COMPLETED BY: Amber Dolce
CALLED BY: _____
TIME: _____
DATE: _____

SIGNATURE: _____
PRINT NAME: _____
DATE: _____



TRANSMITTAL

DATE: Sep 27, 2012

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TO: City of Las Vegas – Floor Control
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CALLED BY: _____

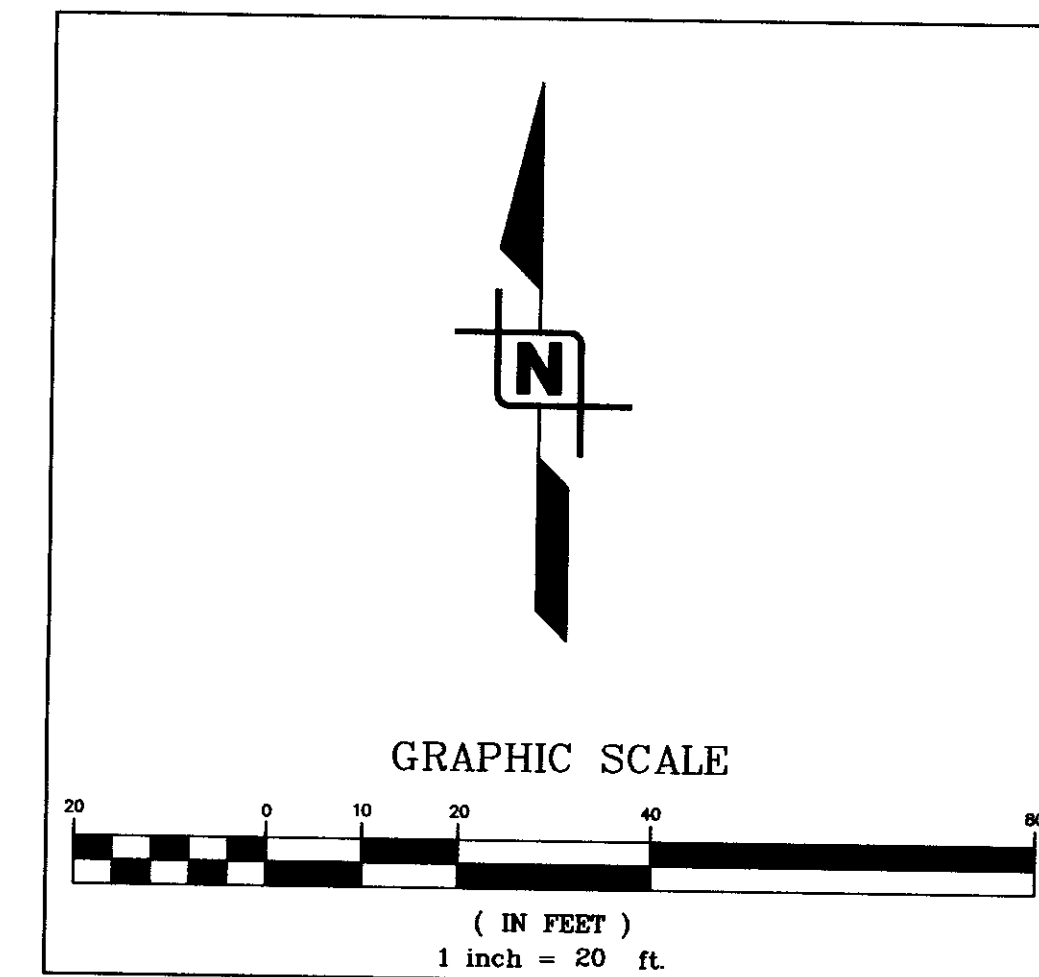
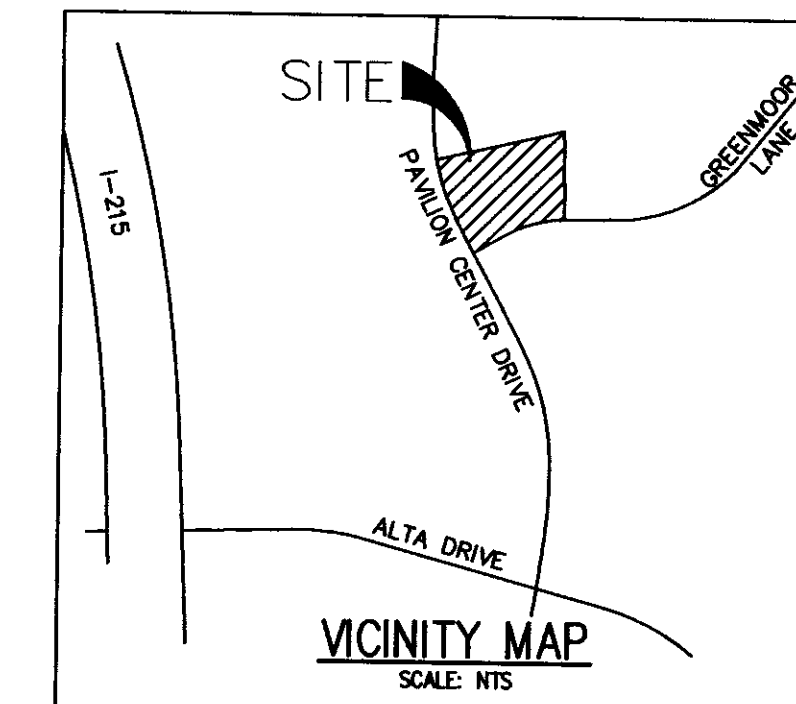
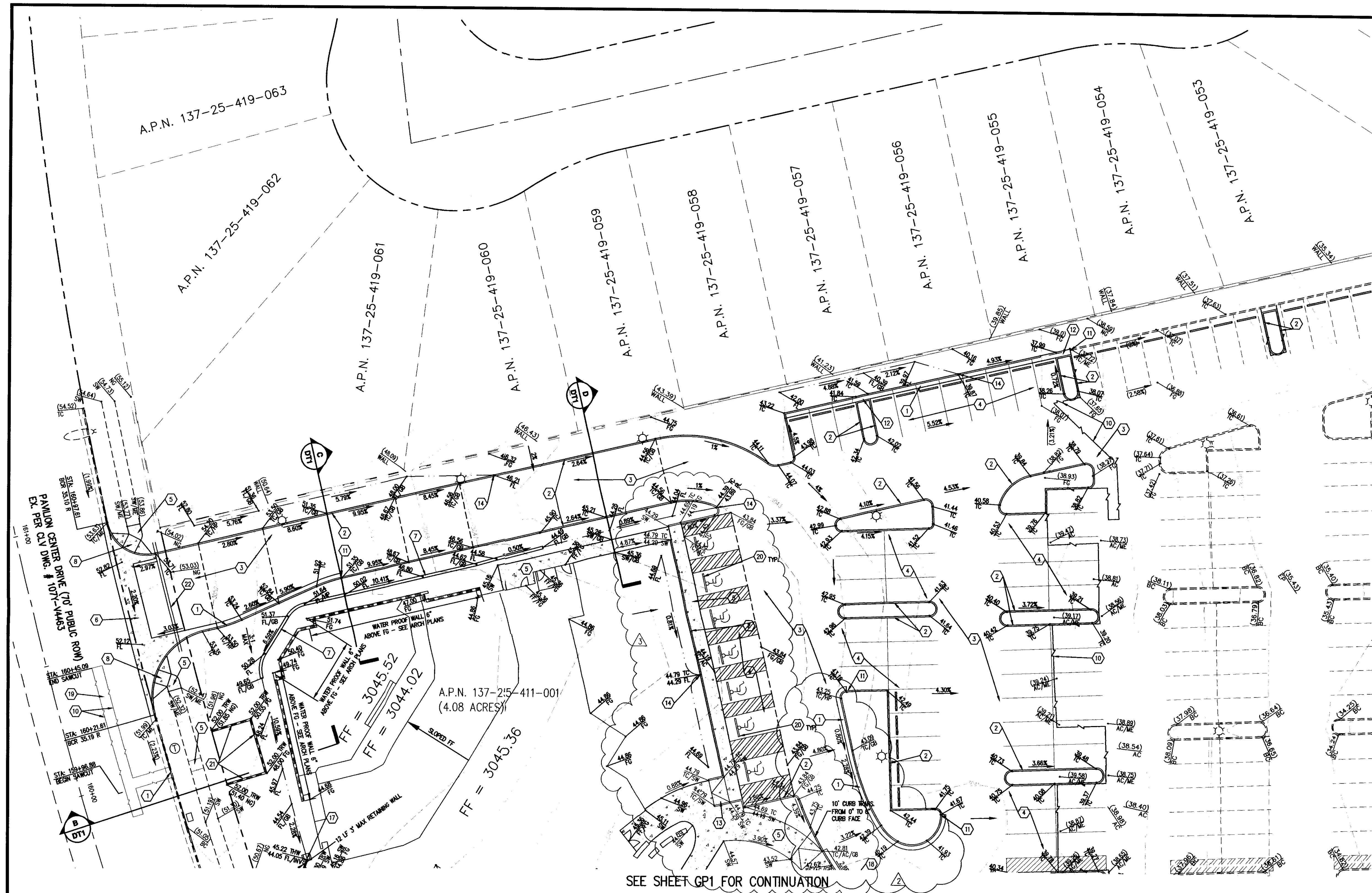
TIME: _____

DATE: _____

SIGNATURE: _____

PRINT NAME: _____

DATE: _____



LEGEND	
[Symbol]	RIGHT-OF-WAY/PROPERTY LINE
[Symbol]	STREET CENTER LINE
[Symbol]	EXISTING BUILDING
[Symbol]	PROPOSED BUILDING
[Symbol]	EXISTING CURB & GUTTER
[Symbol]	PROPOSED CURB & GUTTER
[Symbol]	EXISTING EDGE OF A.C. PAVEMENT
[Symbol]	PROPOSED EDGE OF A.C. PAVEMENT
[Symbol]	SIGHT VISIBILITY ZONE
NOTE: NOTHING OVER 24" IN HEIGHT ALLOWED IN SVZ EXCEPT TRAFFIC COURSE DEVICES	
[Symbol]	EXISTING CMU WALL
[Symbol]	EXISTING 1' CONTOUR
[Symbol]	EXISTING 5' CONTOUR
[Symbol]	PROPOSED CONTOUR
[Symbol]	SECTION / DETAIL SYMBOL
[Symbol]	HC ACCESS ROUTE
[Symbol]	GRADE BREAK
[Symbol]	SLOPE & DIRECTION OF SLOPE
[Symbol]	PROPOSED ELEVATION
[Symbol]	EXISTING ELEVATION
[Symbol]	SOIL TYPE

This grading plan is part of drainage study # 4528 which was received on 10/1/12 and App'd on 10/4/12. Page 2 of 2

- CONSTRUCTION NOTES:**
- CONSTRUCT "L" TYPE CURB & GUTTER PER CCALSD #216
 - CONSTRUCT ON-SITE "A" CURB PER DETAIL ON SHEET DT1
 - INSTALL 3" AC PAVEMENT OVER 6" TYPE II AGG. BASE (TRUCK AREAS)
 - INSTALL 2" AC PAVEMENT OVER 6" TYPE II AGG. BASE (PARKING AREAS)
 - INSTALL 4" CONCRETE SIDEWALK PER CCALSD #234
 - INSTALL COMMERCIAL DRIVEWAY AND CROSS GUTTER PER CCALSD #222A & 228
 - INSTALL 1" CONCRETE VALLEY GUTTER PER DETAIL ON SHEET DT1
 - CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCALSD STD DMC 235, CASE I
 - CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS
 - SAWCUT & MATCH TO EXISTING
 - INVERT LIP
 - CONSTRUCT 3" FLUME PER DETAIL ON SHEET DT1
 - ON SITE ADA RAMP DETAIL "A", SHEET DT1
 - CONSTRUCT 2" CURB OPENING PER DETAIL ON SHEET DT1
 - INSTALL 2" NYLOPLAST CUSTOM DRAIN BASIN 2712AG020 WITH PEDESTRIAN RATED GRATE
 - INSTALL 2" WIDE SIDEWALK UNDERDRAIN PER CCALSD #236
 - CONSTRUCT HEADWALL PER DETAIL SHEET DT1
 - CONSTRUCT "O" CURB FACE
 - INSTALL 4" AC PAVEMENT OVER 4" TYPE II AGG. BASE OVER 4" TYPE I AGG. BASE
 - INSTALL BUMPER BLOCK PER STANDARD DMC 238
 - CONSTRUCT 4" MAX. HEIGHT RETAINING WALL
 - (2) IRRIGATION SLEEVES. REFER TO LANDSCAPE DRAWINGS FOR SIZE AND TYPE.

NOTE: ALL HANDICAP ACCESS ROUTES ARE AT A MAXIMUM OF 5% DOWNSLOPE AND 2% CROSS SLOPE & 2% IN DIRECTION CHANGE.

GEOTECHNICAL:
GEOTECHNICAL EVALUATION PREPARED BY: BUEHA ENGINEERS DATED NOVEMBER 18, 1998.
PROJECT# 1198-3514
UPDATE PREPARED BY: PSL DATED APRIL 20, 2006.
PROJECT# 201-65006
UPDATE PREPARED BY: WESTERN TECHNOLOGIES, INC. DATED JULY 1, 2011
PROJECT #41200040

DRAINAGE STUDY COMPLIANCE
I, JOHN M. WALKER, HEREBY CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS FOR THIS PROJECT: DS4523

JOHN M. WALKER
NEVADA P.E. NO. 12779

FLOOD ZONE NOTE
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 320030 2150E, CLARK COUNTY, NEVADA, DATED SEPTEMBER 27, 2002, THE SITE LIES WITHIN A FEMA DESIGNATED ZONE "X". A ZONE "X" IS DESCRIBED AS AREAS DETERMINED TO BE OUTSIDE OF THE 500-YEAR FLOODPLAIN.

DISCLAIMER NOTE
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING - GROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. ALL DISCREPANCIES MUST BE IMMEDIATELY REPORTED TO THE ENGINEER.
CALL BEFORE YOU DIG: 1-800-227-2600.

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

Call before you OVERHEAD
1-702-593-6111
NEVADA POWER & LIGHTING SAFETY SERVICE DEPARTMENT

NOTE: ALL ON-SITE STORM DRAINS ARE PRIVATELY OWNED AND MAINTAINED.

Call before you UnderGround
1-702-593-6111
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-0801
LAS VEGAS AREA COMBINED TRAFFIC SYSTEM

BASIS OF BEARING
THE LINE BETWEEN THE INTERSECTION OF THE CENTERLINES OF REGAL MESA AVENUE AND THE CENTERLINE OF SILVER CASTLE STREET AND THE NORTHERLY END OF SILVER CASTLE STREET (7.5' FROM THE CENTER OF THE CUL-DE-SAC) WAS TAKEN AS N40°17'32"E, AS CALCULATED FROM THE MAP OF CHARDONWAY No. 41 - BY LEWIS HOMES PER MAP IN BOOK 80 OF PLATS AT PAGE 47, CLARK COUNTY NEVADA RECORDS.

LEGAL DESCRIPTION
LOT 6, BLOCK 8 OF THE ARBORS AT SUMMERLIN VILLAGE 11/2 NO. 2A AS RECORDED IN BOOK 75 OF PLATS PAGE 75 FOUND IN THE RECORDERS OFFICE OF CLARK COUNTY, NEVADA.

BENCHMARK
PROJECT VERTICAL DATUM: NAVD83
CITY OF LAS VEGAS B.M. QLV08 36NWS
NAV888 ELEV: 927.9652 METERS (3044.50 FEET)
RIVET AND PLATE IN TOP OF CURB AT THE NORTHWEST CORNER OF PAVILION CENTER AND GREENMOOR, CITY OF LAS VEGAS, NEVADA

WRIGHT
engineers

7025 PEAK DRIVE LAS VEGAS, NEVADA 89128
P 702.933.7000 F 702.933.7001
WRIGHTENGINEERS.COM
LAS VEGAS • IRVINE • PHOENIX • SACRAMENTO

REVISE CURB ALIGNMENT & GRADES	8-1-12	9-28-12
REVISE ADA PARKING & S/W ALIGNMENT & GRADES		

CHECK NO. 1	DATE: 11/16/10
CHECK NO. 2	DATE: 11/16/10

REV	DATE	BY	REVISION

JOSEPH N. BRANCA ARCHITECT
2821 CHANNEL BAY DRIVE
LAS VEGAS, NEVADA 89127
TEL (702) 308-1603 FAX (702) 258-3002

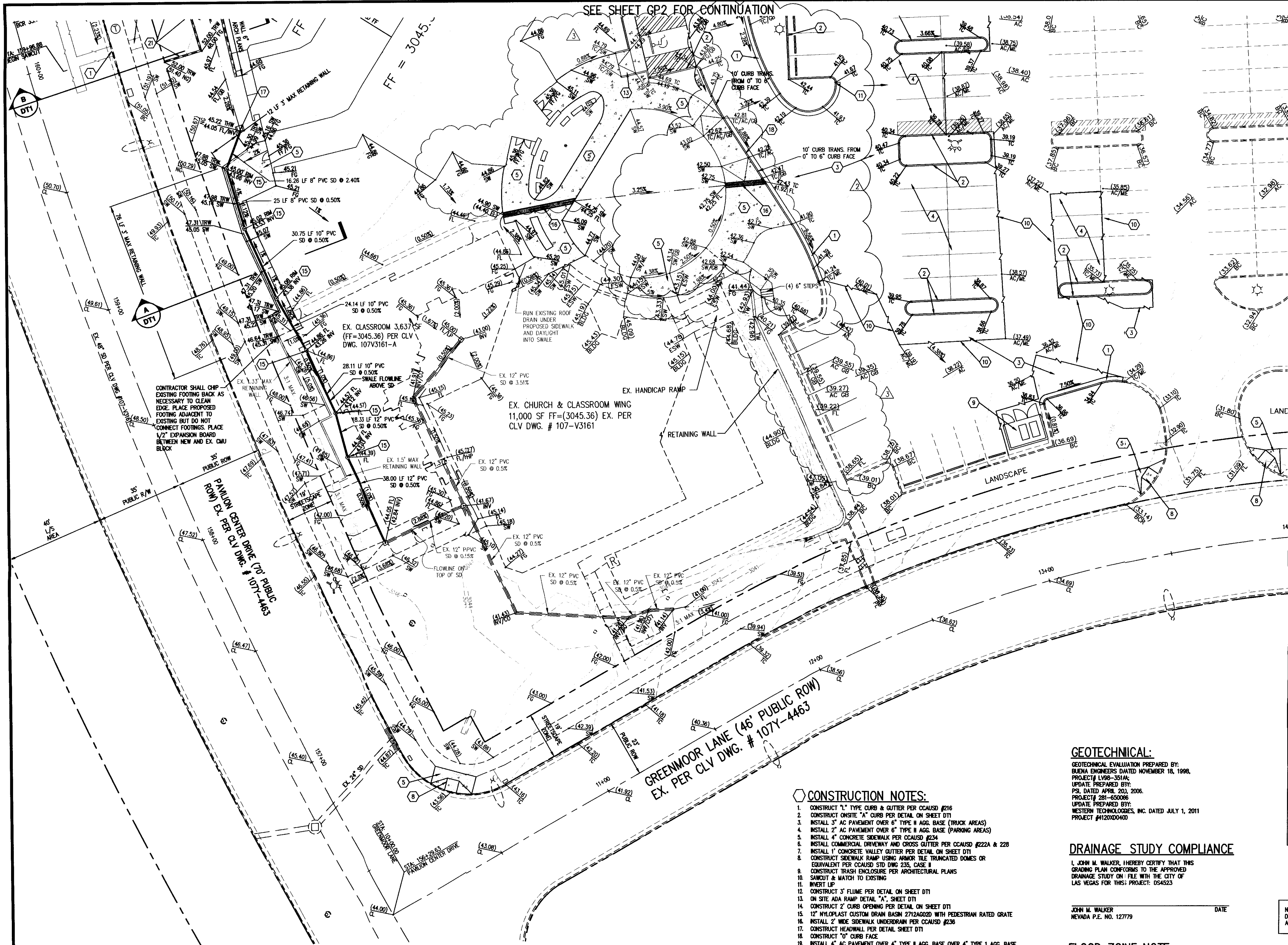
JOSEPH N. BRANCA ARCHITECT
DSUMC EXPANSION

GRADING PLAN

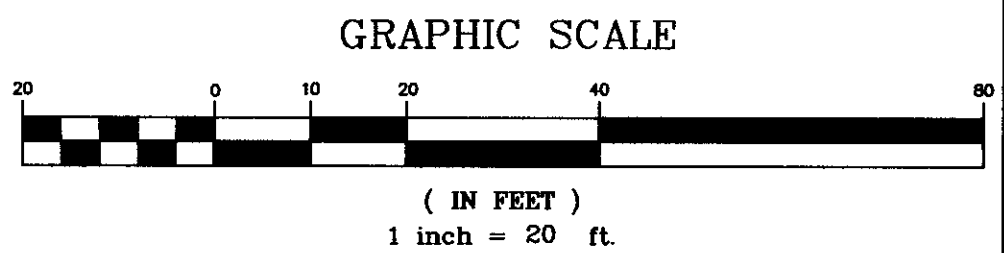
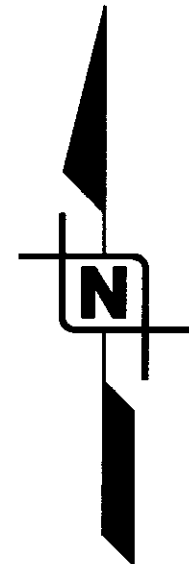
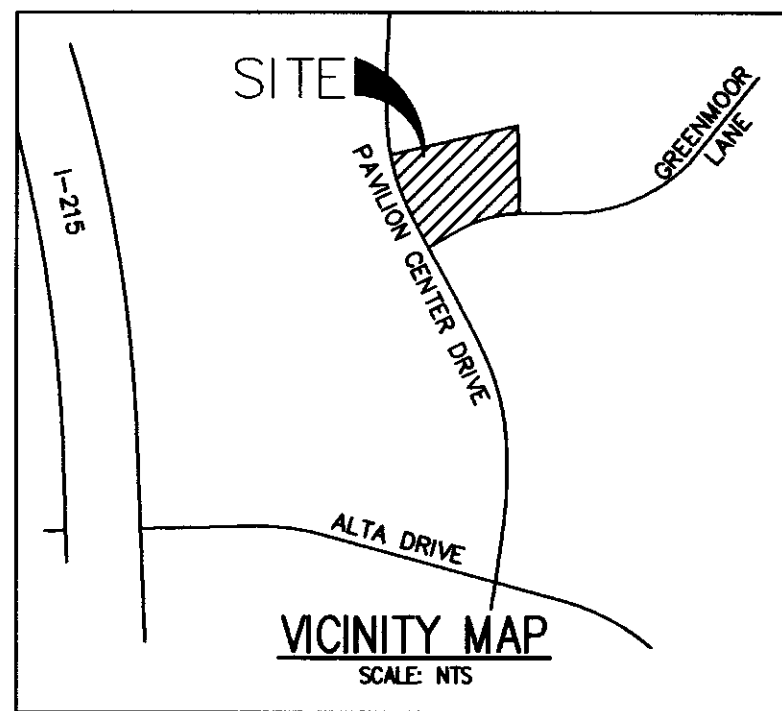
DATE: 11/16/10
DRAWN BY: RDC
PROJECT MGR: RDC
PROJECT NO: CN100298
SCALE: AS SHOWN

SEP 27 2012

SHEET
GP2
6 OF 8 SHEETS
DRAWING NO.



SEE SHEET GP2 FOR CONTINUATION



LEGEND

- RIGHT-OF-WAY/PROPERTY LINE
- STREET CENTER LINE
- EXISTING BUILDING
- PROPOSED BUILDING
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
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- EXISTING CMU WALL
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- SECTION / DETAIL SYMBOL
- HC ACCESS ROUTE
- GRADE BREAK
- SLOPE & DIRECTION OF SLOPE
- PROPOSED ELEVATION
- EXISTING ELEVATION
- SCARP ELEVATION

GEOTECHNICAL:

GEOTECHNICAL EVALUATION PREPARED BY:
BUENA ENGINEERS DATED NOVEMBER 16, 1998.
PROJECT# LV99-351A;
UPDATE PREPARED BY:
PS, DATED APRIL 2003, 2006.
PROJECT# 281-6500R;
UPDATE PREPARED BY:
WESTERN TECHNOLOGIES, INC. DATED JULY 1, 2011
PROJECT #1120100400

DRAINAGE STUDY COMPLIANCE

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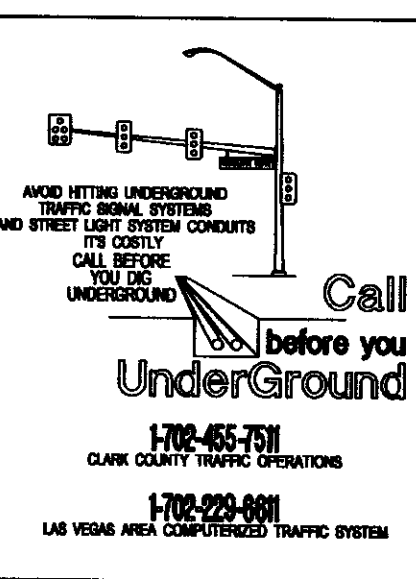
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9. CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS
10. SAWCUT & MATCH TO EXISTING
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18. CONSTRUCT "O" CURB FACE
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CITY OF LAS VEGAS, NEVADA

WRIGHT engineers
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P 702.593.7000 F 702.933.7001
WWW.WRIGHTENGINEERS.COM
LAS VEGAS, IRVINE, PHOENIX, SACRAMENTO

REVISE CURB ALIGNMENT & GRADES	REVISE ADA PARKING & S/W ALIGNMENT & GRADES	REV	DATE	BY	REVISION
8-1-12	9-28-12				

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DSUMC EXPANSION
CHECK NO. 1
DATE: 11/16/10
CHECK NO. 2
DATE: 11/16/10

DATE:	11/16/10
DRAWN BY:	RDC
PROJECT MGR:	RDC
PROJECT NO.:	CN100298
SCALE:	AS SHOWN

JOHN M. WALKER
Professional Engineer
No. 12779
CIVIL
SEP 27 2012
CP1
5 OF 8 SHEETS
DRAWING NO.