

DS #: 4523

APN: 137-25-411-001

PROJECT: Desert Springs United Methodist - Update # 3

SUBMITTAL: 3rd

SCANNED BY/DATE: \_\_\_\_\_

CHECKED BY/DATE: \_\_\_\_\_



# CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM

DATE:

August 21, 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 #3**

COPIES TO:

Wright One Source

Cross Streets:

NEC of Pavilion Center Dr. & Greenmoor Ln.

Church Methodist Desert Springs

File Number:

F:\Depot\DSMemos\DS4523C.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 <sup>st</sup> Submittal              | 3/1/2011              | 3/14/2011     | Not Approved       | \$400.00    | 163651: \$400           |
| 2 <sup>nd</sup> Submittal & Supplement | 4/13/2011 & 5/11/2011 | 5/17/2011     | Approved           | \$400.00    | 166521: \$400           |
| 3 <sup>rd</sup> Submittal              | 8/16/2012             | 8/21/2012     | See Comments Below | N/C         | N/C                     |
| TOTAL FEES (LDDRS):                    |                       |               |                    | \$800.00    | ----                    |

## REMARKS:

### 3<sup>rd</sup> 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

\*\*\*\*\*

\*\*\* FAX TX REPORT \*\*\*

\*\*\*\*\*

TRANSMISSION OK

JOB NO. 4638  
 DESTINATION ADDRESS 9337001  
 PSWD/SUBADDRESS  
 DESTINATION ID  
 ST. TIME 08/21 15:56  
 USAGE T 01' 05  
 PGS. 1  
 RESULT OK

## CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM

DATE:

August 21, 2012

TO:  
Land Development Services  
Department of Public Works

FROM:  
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Flood Control Project Engineer  
Department of Public Works

SUBJECT: Drainage Study for:  
Desert Springs United Methodist Church – Update #3

COPIES TO:  
Wright One Source

Cross Streets: NEC of Pavilion Center Dr. & Greenmoor Ln.

Church Methodist Desert Springs

File Number: F:\Depot\DSMemos\DS4523C.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 # |
|----------------------------------------|-----------------------|---------------|--------------------|-------------|-------------------------|
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**NOTE:** Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a



Rec'd : 8/16/12  
DS 4523

K-25  
N/C

August 14, 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 #3

Dear Mr. Sung:

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

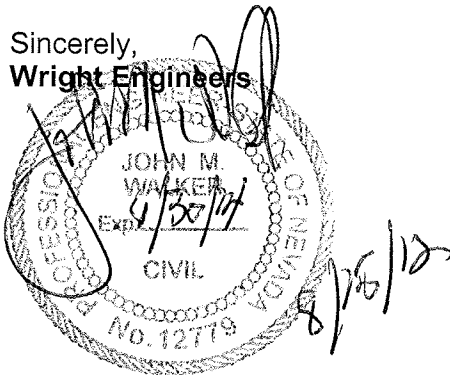
The approved drainage study on file with the City of Las Vegas is:

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

1635 Village Center Cr,  
Ste 200  
Las Vegas, NV 89134  
(p) 702.933.7000  
(f) 702.933.7001  
800.933.7611  
wrightengineers.com



## TRANSMITTAL

DATE: Aug 16, 2012

CIVIL  
STRUCTURAL  
MECHANICAL  
ELECTRICAL  
PLUMBING  
ENERGY  
MODELING  
COMMISSIONING  
LEED  
ADMINISTRATION

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

ATTN: ALBERT SUNG

PROJECT: Desert Spring United Methodist Church  
PROJECT No: CN100298-002  
PROJECT MGR: John Walker

VIA: Hand Deliver  
FOR: Approval  
COPIES TO:

FROM: Amber Dolce

| ITEM   | QTY | DESCRIPTION                                            |
|--------|-----|--------------------------------------------------------|
| OTHER  | 1   | Letter of Justification for Revision of Project #41831 |
| PRINTS | 1   | Wet Stamped Revised Sheet GP1 & GP2                    |

REMARKS:

Albert, per your conversation with John Walker, please accept the attached response letter and wet stamped revised plans. Give John a call if you have any questions. Thanks!

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

CALL BY:

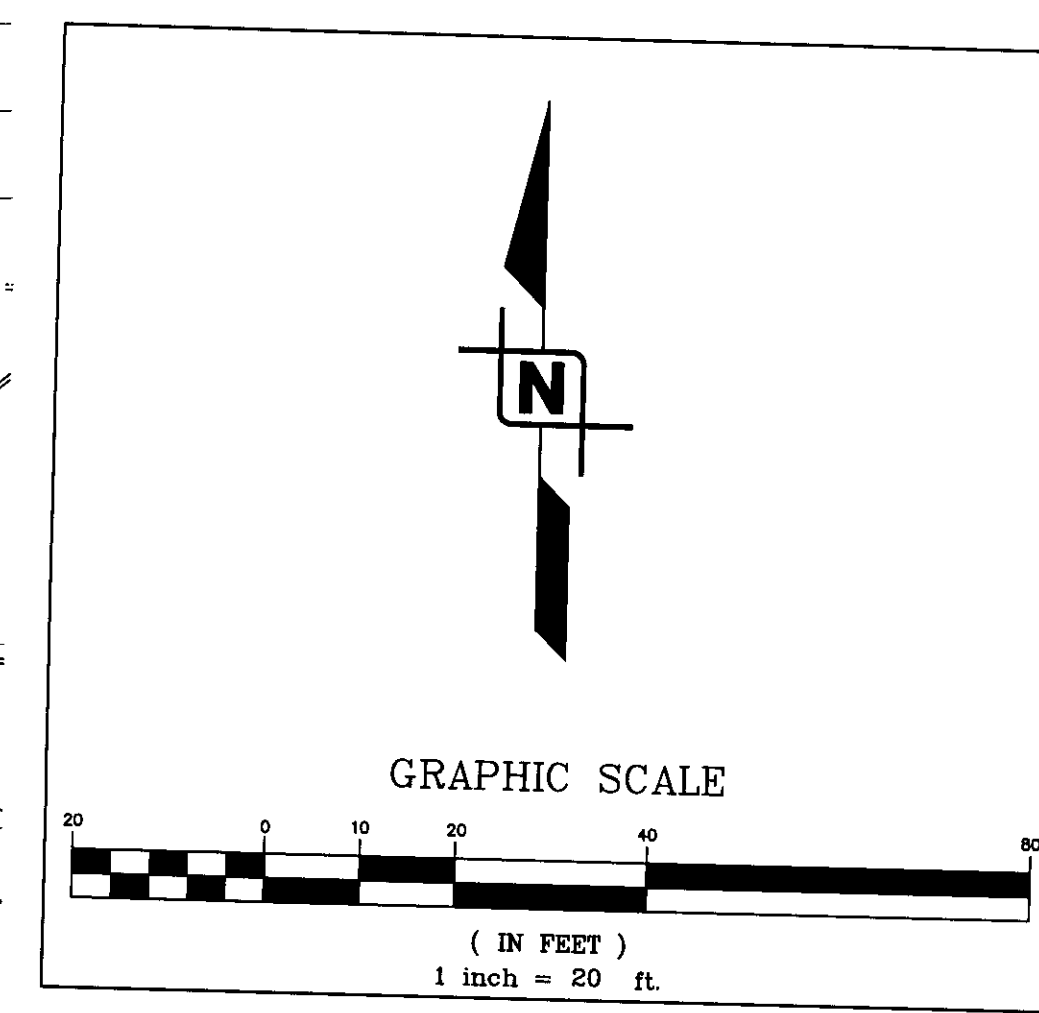
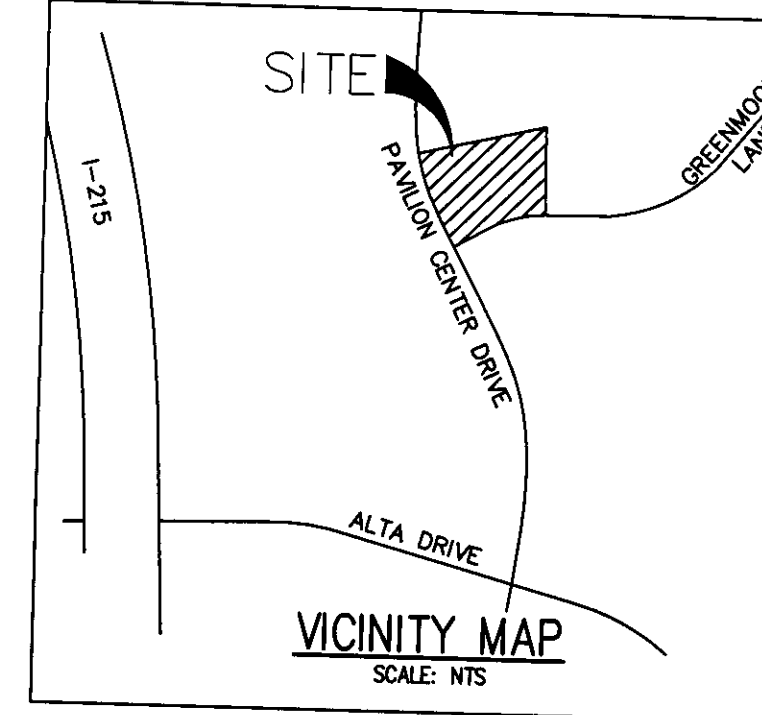
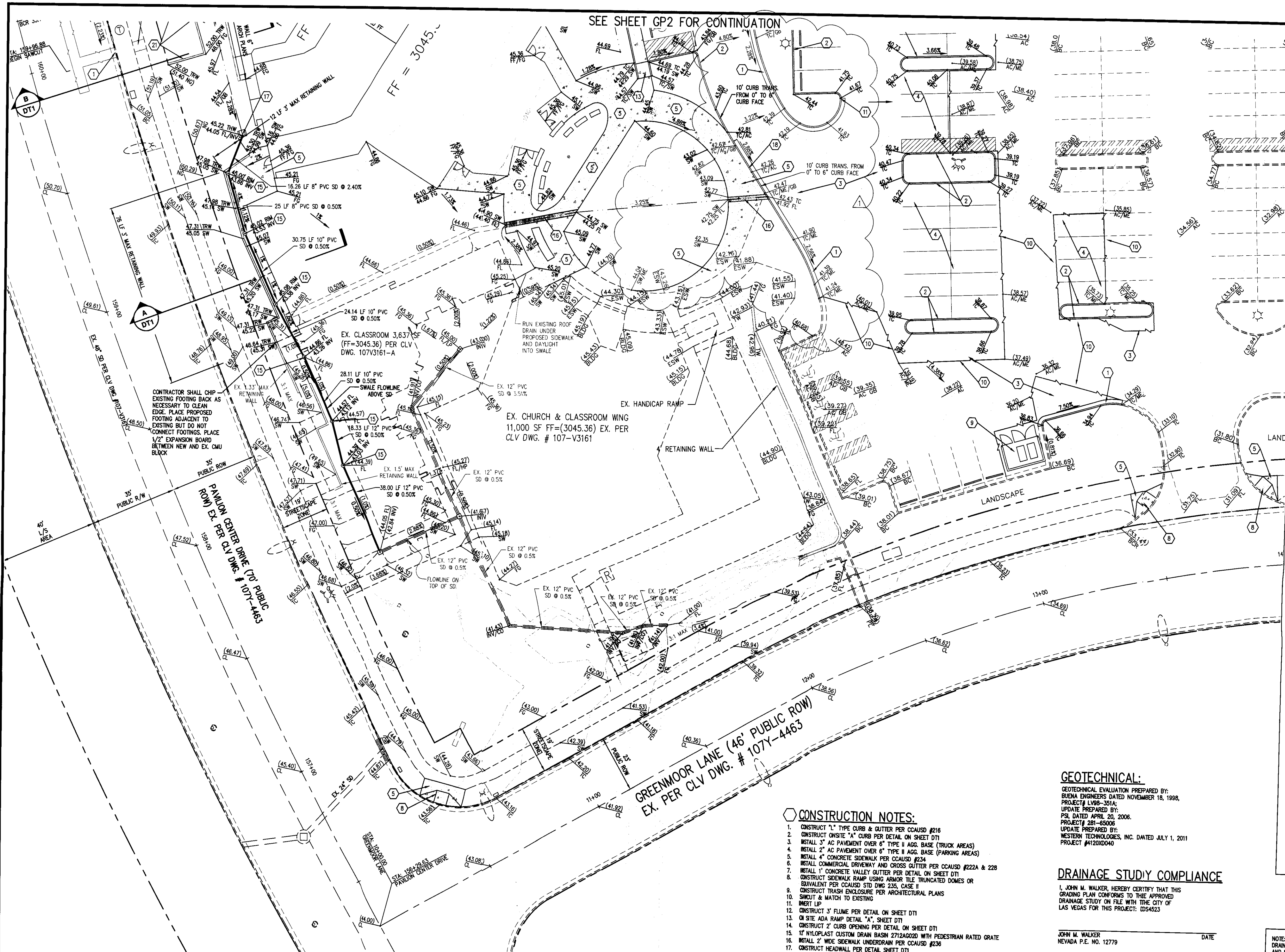
TIME:

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SIGNATURE:

PRINT NAME:

DATE:



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

**CONSTRUCTION NOTES:**

1. CONSTRUCT 1" TYPE CURB & GUTTER PER CAUSD #216
2. CONSTRUCT ON-SITE "A" CURB PER DETAIL ON SHEET DT1
3. INSTALL 3" AC PAVEMENT OVER 6" TYPE II AGG. BASE (TRUCK AREAS)
4. INSTALL 2" AC PAVEMENT OVER 6" TYPE II AGG. BASE (PARKING AREAS)
5. INSTALL 4" CONCRETE SIDEWALK PER CAUSD #234
6. INSTALL COMMERCIAL DRIVEWAY AND CROSS GUTTER PER CAUSD #222A & 228
7. INSTALL 1" CONCRETE VALLEY GUTTER PER DETAIL ON SHEET DT1
8. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CAUSD STD DWG 235, CASE II
9. CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS
10. SLOUT & MATCH TO EXISTING
11. INERT LIP
12. CONSTRUCT 3" FLUME PER DETAIL ON SHEET DT1
13. ON SITE ADA RAMP DETAIL "A", SHEET DT1
14. CONSTRUCT 2" CURB OPENING PER DETAIL ON SHEET DT1
15. 12" NYLOPLAST CUSTOM DRAIN BASIN 2712A0020 WITH PEDESTRIAN RATED GRATE
16. INSTALL 2" WIDE SIDEWALK UNDERDRAIN PER CAUSD #236
17. CONSTRUCT HEADWALL PER DETAIL SHEET DT1
18. CONSTRUCT 10" CURB FACE
19. INSTALL 4" AC PAVEMENT OVER 4" TYPE II AGG. BASE OVER 4" TYPE I AGG. BASE
20. INSTALL BUMPER BLOCK PER STANDARD DWG. 238
21. CONSTRUCT 4" MAX. HEIGHT RETAINING WALL
22. (2) IRRIGATION SLEEVES. REFER TO LANDSCAPE DRAWINGS FOR SIZE AND TYPE.

**GEOTECHNICAL:**

GEOTECHNICAL EVALUATION PREPARED BY:  
BUENA ENGINEERS DATED NOVEMBER 18, 1998,  
PROJECT # L98-351A;  
UPDATE PREPARED BY:  
PSI, DATED APRIL 20, 2006,  
PROJECT # 281-85006  
UPDATE PREPARED BY:  
WESTERN TECHNOLOGIES, INC. DATED JULY 1, 2011  
PROJECT #4120X0040

**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  
32003C 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 UNDERGROUND  
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 Dig.**  
1-702-593-6111  
UNDERGROUND SERVICE ALERT (USA)

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

**Call before you Dig.**  
1-702-455-7511  
1-702-229-6911  
LAS VEGAS AREA COMPREHENSIVE 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 NORTHEASTLY END OF SILVER CASTLE STREET  
(7.5' FROM THE CENTER OF THE CURB-DE-SLO) WAS TAKEN AS  
N40°47'32"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 B OF THE ARBORS AT SUMMERLIN VILLAGE 11/12  
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. QJ09 30WHS  
NAVD83 ELEV: 927.952 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

7425 PEAK DRIVE LAS VEGAS, NEVADA 89178  
P (702) 702-9370  
WWW.WRIGHTENGINEERS.COM  
LAS VEGAS • IRVINE • PHOENIX • SACRAMENTO

| REV | DATE     | BY  | REVISION     |
|-----|----------|-----|--------------|
| 1   | 11/16/10 | RDC | PROJECT MGR. |
| 2   | 11/16/10 | RDC | PROJECT MGR. |
| 3   | 11/16/10 | RDC | PROJECT MGR. |
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| 98  | 11/16/10 | RDC | PROJECT MGR. |
| 99  | 11/16/10 | RDC | PROJECT MGR. |
| 100 | 11/16/10 | RDC | PROJECT MGR. |

JOSEPH N. BRANCA ARCHITECT  
2821 CHANNEL BAY DRIVE  
LAS VEGAS, NEVADA 89127  
TEL (702) 385-1033 FAX (702) 288-3002

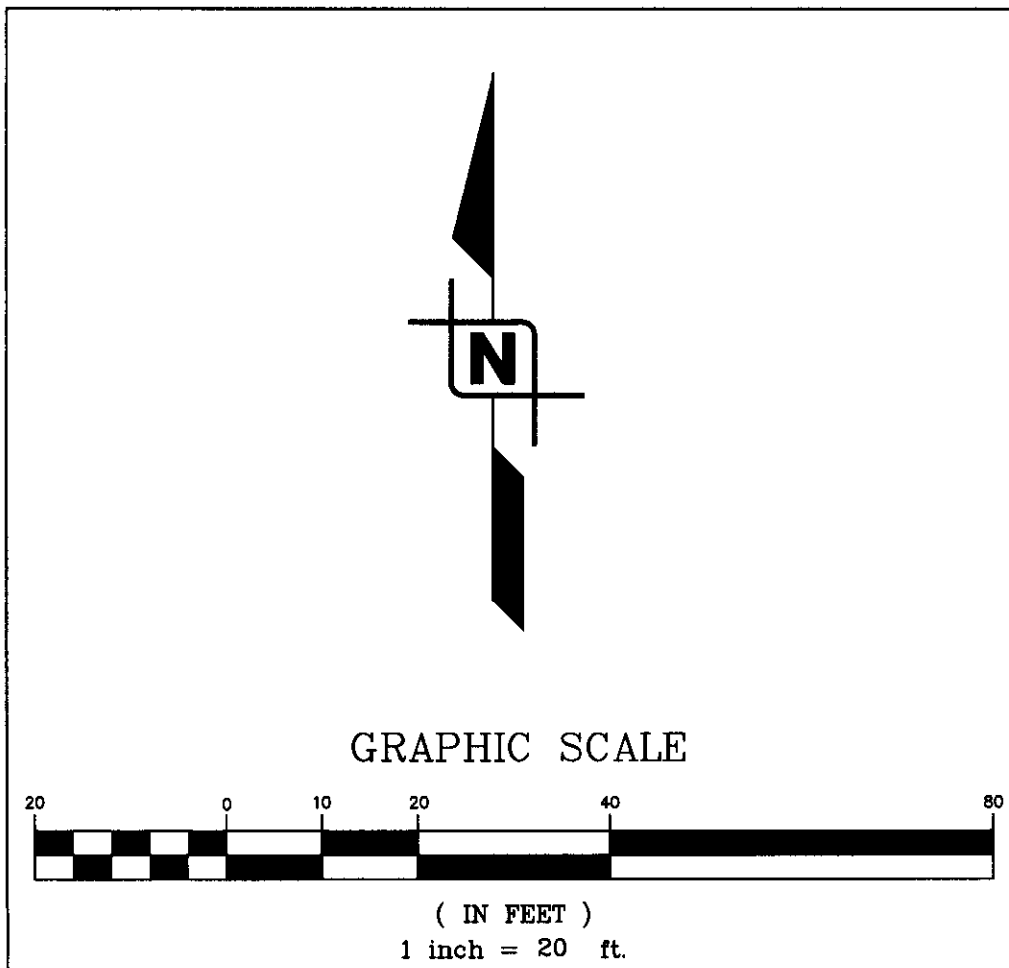
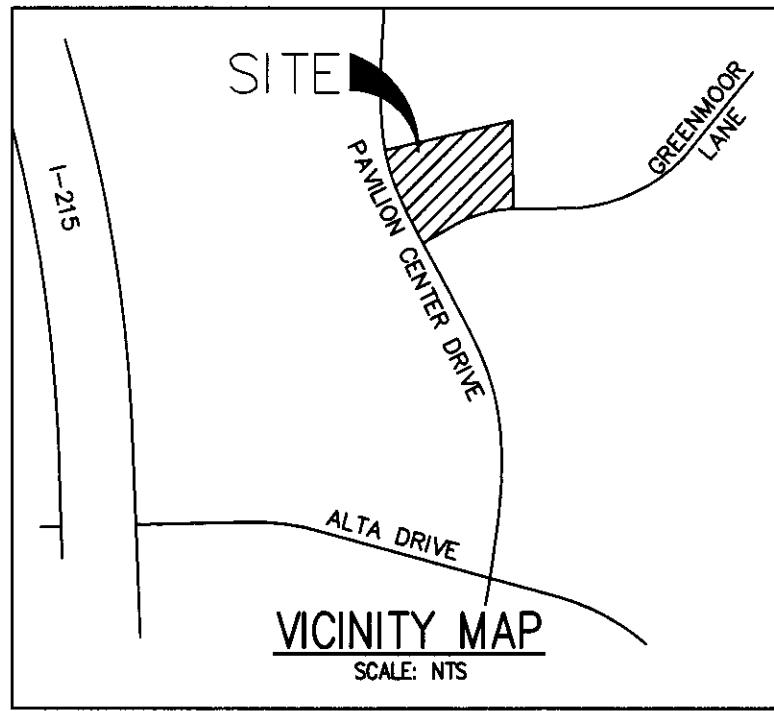
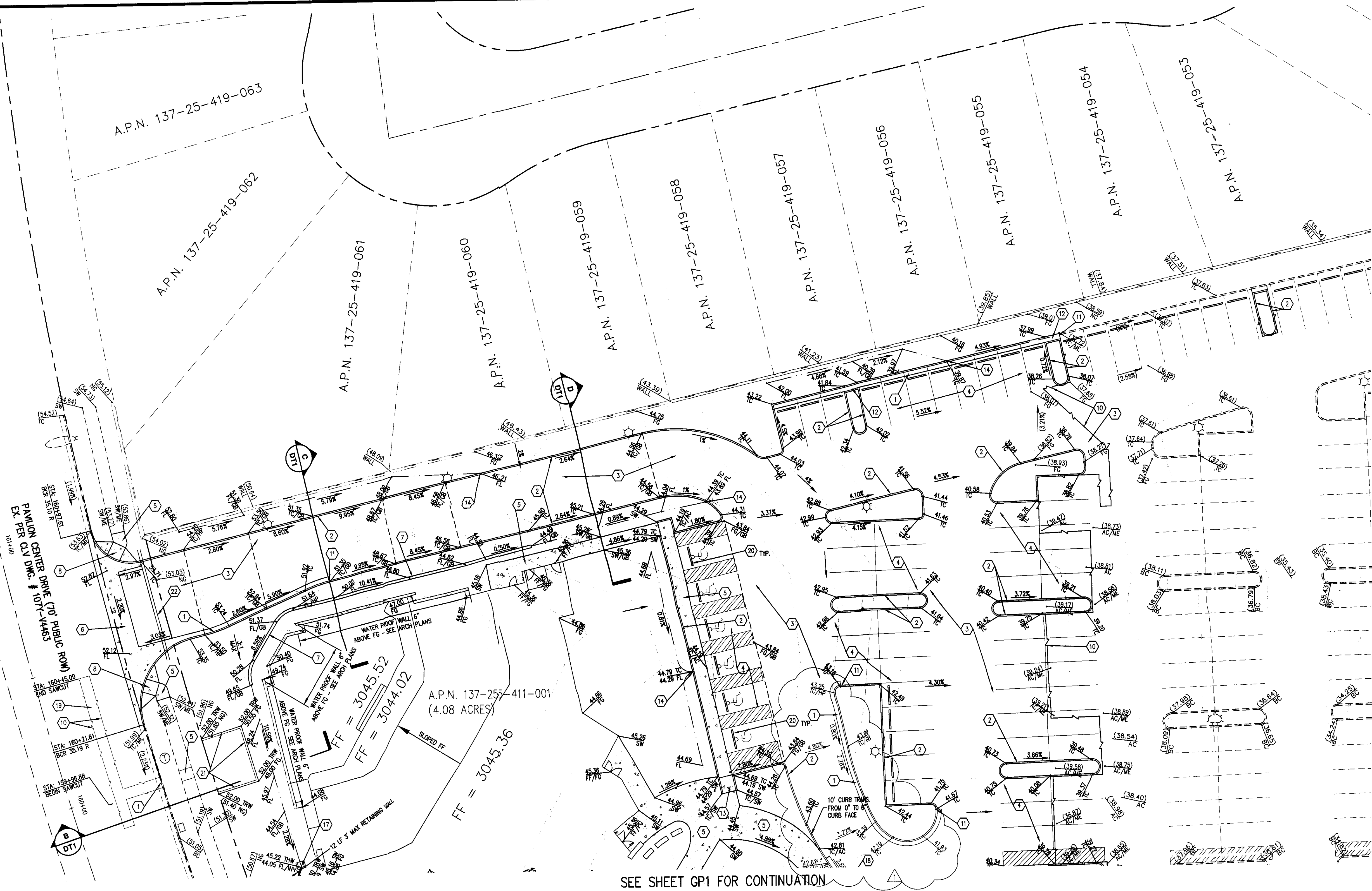
DATE: 11/16/10  
CHECK NO. 1  
DATE: 11/16/10  
CHECK NO. 2

JOSEPH N. BRANCA ARCHITECT  
DSUMC EXPANSION  
GRADING PLAN

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

JOHN M. WALKER  
P.E. NO. 12779  
CIVIL  
AUG 16 2012

SHEET  
CP1  
5 OF 8 SHEETS  
DRAWING NO.



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

SEE SHEET GP1 FOR CONTINUATION

CONSTRUCTION NOTES:

1. CONSTRUCT 1" TYPE CURB & GUTTER PER CCAUSD #216
2. CONSTRUCT ON-SITE 1" CURE PER DETAIL ON SHEET DT1
3. INSTALL 3" AC PAVEMENT OVER 6" TYPE II AGG. BASE (TRUCK AREAS)
4. INSTALL 2" AC PAVEMENT OVER 6" TYPE II AGG. BASE (PARKING AREAS)
5. INSTALL 4" CONCRETE SIDEWALK PER CCAUSD #224
6. INSTALL COMMERCIAL DRIVEWAY AND CROSS GUTTER PER CCAUSD #222A & 228
7. INSTALL 6" CONCRETE VALLEY GUTTER PER DETAIL ON SHEET DT1
8. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD STD DWG 235, CASE II
9. CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLANS
10. SAWCUT & MATCH TO EXISTING
11. INVERT LIP
12. CONSTRUCT 3" FLUME PER DETAIL ON SHEET DT1
13. ON SITE ADA RAMP DETAIL "A", SHEET DT1
14. CONSTRUCT 2" CURB OPENING PER DETAIL ON SHEET DT1
15. 12" NYLOPLAST CUSTOM DRAIN BASIN 2712A002D WITH PEDESTRIAN RATED GRATE
16. INSTALL 2" WIDE SIDEWALK UNDERDRAN PER CCAUSD #236
17. CONSTRUCT HEADWALL PER DETAIL SHEET DT1
18. CONSTRUCT 10" CURB FACE
19. INSTALL 4" AC PAVEMENT OVER 4" TYPE II AGG. BASE OVER 4" TYPE I AGG. BASE
20. INSTALL BUMPER BLOCK PER STANDARD DWG. 238
21. CONSTRUCT 4" MAX. HEIGHT RETAINING WALL
22. (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:  
BUENA ENGINEERS DATED NOVEMBER 18, 1998,  
PROJECT# LV98-351A;  
UPDATE PREPARED BY:  
PSE DATED APRIL 20, 2006,  
PROJECT# 281-65006  
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

FLOOD ZONE NOTE

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)  
FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER  
32003C 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 UNDERGROUND  
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.

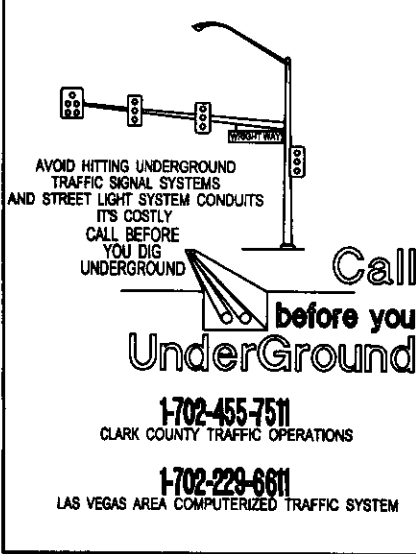
Call before you Dig.

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IMMEDIATELY REPORTED TO THE ENGINEER.  
CALL BEFORE YOU DIG: 1-800-227-2600.

Call before you OVERHEAD

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT  
SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT  
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IMMEDIATELY REPORTED TO THE ENGINEER.  
CALL BEFORE YOU DIG: 1-800-227-2600.

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



BASIS OF BEARING

THE LINE BETWEEN THE INTERSECTION OF THE CENTERLINES OF  
REGAL MESA AVENUE AND THE CENTERLINE OF SILVER CASTLE  
STREET AND THE NORTHEASTLY END OF SILVER CASTLE STREET  
(7.5' FROM THE CENTER OF THE CURB-TO-CURB) WAS TAKEN AS  
N04°07'32"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 9 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. 01009 38W15  
NAVD83 ELEV. 927.9652 METERS (3044.50 FEET)  
RIVET AND PLATE IN TOP OF CURB AT THE NORTHWEST CORNER  
OF PAILION CENTER AND GREENMOOR.  
CITY OF LAS VEGAS, NEVADA

**WRIGHT**  
Engineering  
7425 PEAK DRIVE LAS VEGAS, NEVADA 89128  
P. 702.222.6811  
WWW.WRIGHTENGINEERS.COM  
LAS VEGAS • IRVINE • PHOENIX • SACRAMENTO

| REV    | DATE | BY | REVISION                       |
|--------|------|----|--------------------------------|
| 8-1-12 |      |    | REVISE CURB ALIGNMENT & GRADES |

**JOSEPH N. BRANCA ARCHITECT**  
2821 CHANNEL BAY DRIVE  
LAS VEGAS, NEVADA 89127  
TEL. (702) 255-0003 FAX (702) 255-3002

CHECK NO. 1  
RDC

CHECK NO. 2  
DS

DATE: 11/09/10  
DATE: 11/09/10

**JOSEPH N. BRANCA ARCHITECT**  
DSUMC EXPANSION

**GRADING PLAN**

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

AUG 16 2012

SHEET  
GP2  
6 OF 8 SHEETS  
DRAWING NO.