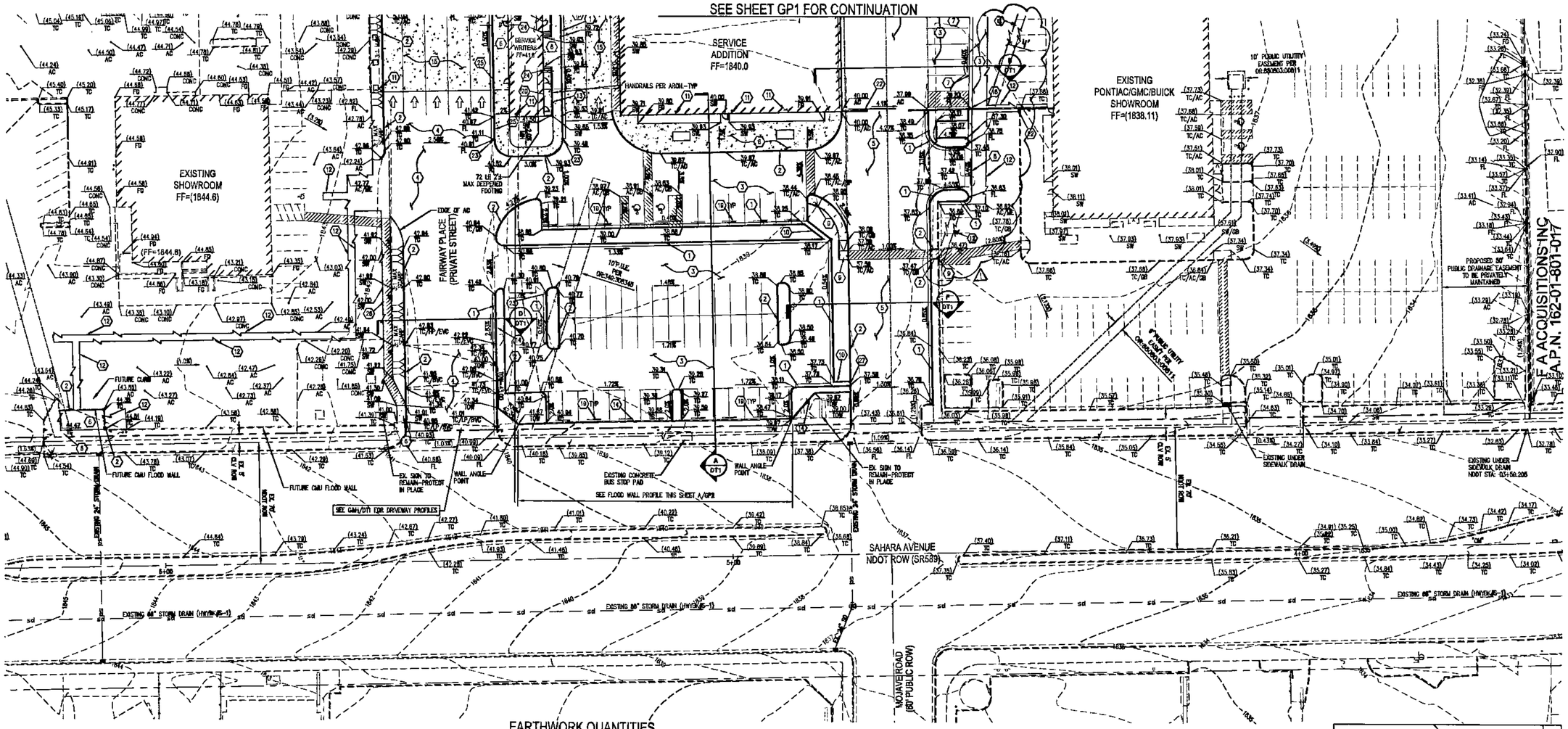
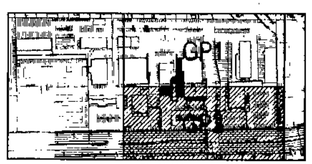




KEY PLAN
SCALE: NONE

EARTHWORK QUANTITIES

NOTE: THESE QUANTITIES ARE APPROXIMATE AND AREA RAW VOLUMES ONLY. OVER EXCAVATION, SUBSIDENCE, SHRINKAGE AND BULKING FACTORS, ARE NOT INCLUDED AS PART OF THESE EARTHWORK QUANTITIES.

CUT (NET)	231 CUBIC YARDS
FILL (NET)	745 CUBIC YARDS
NET	514 CUBIC YARDS (FILL)

FLOOD ZONE NOTE

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 32003C 2196E, CLARK COUNTY, NEVADA, DATED SEPTEMBER 27, 2002, THE SITE LIES WITHIN A FEMA DESIGNATED ZONE "X". A ZONE "X" IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD

GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

CONSTRUCTION NOTES:

1. CONSTRUCT "L" TYPE CURB & GUTTER PER CCAUSD #230
2. CONSTRUCT ONSITE "A" CURB PER DETAIL ON SHEET DTI
3. INSTALL 2.5" AC PAVEMENT OVER 4" TYPE II AGG. BASE
4. INSTALL 3" AC PAVEMENT OVER 6" TYPE II AGG. BASE
5. INSTALL 3.5" AC PAVEMENT OVER 8" TYPE II AGG BASE
6. INSTALL CONCRETE SIDEWALK PER CCAUSD #234
7. INSTALL 2' CONCRETE VALLEY GUTTER PER DETAIL ON SHEET DTI
8. INSTALL 3' CONCRETE VALLEY GUTTER PER DETAIL ON SHEET DTI
9. CONSTRUCT SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD #230, CASE 3-SEE DETAIL ON SHEET DTI
10. INSTALL 3' WIDE FLUME PER DETAIL ON SHEET DTI
11. APPROXIMATE LOCATION OF ROOF DRAINS, SEE PLUMBING PLANS
12. SAWCUT AND MATCH EXISTING PAVEMENT
13. CONSTRUCT 1.05' MAX TURN-DOWN SIDEWALK
14. CMU FLOOD WALL PER STRUCTURAL PLANS
15. INSTALL 7" BLACK CONCRETE W/ #4 @ 12" O.C. OVER 6" TYPE II AGG. BASE. CONTROL JOINTS ARE TO BE SPACED AT 10' MAX INTERVALS, EACH DIRECTION
16. 48"x18" CMU BLOCK OPENING PER DETAIL ON SHEET DTI
17. INSTALL CMU RETAINING WALL. SEE STRUCTURAL PLANS
18. INSTALL UNDER SIDEWALK DRAIN PER CCAUSD #238
19. INSTALL CONCRETE BUMPER BLOCKS PER CCAUSD #230
20. CONSTRUCT DEEPENED FOOTING-SEE PLAN FOR MAX DEPTH
21. CONSTRUCT (5) 8" CONCRETE STEPS
22. CONSTRUCT CMU SCREEN WALL PER SNRD REGIONAL STANDARD DRAWINGS, D-100-1
23. TIP-OUT 1' CURB
24. CONSTRUCT (4) 5" CONCRETE STEPS
25. INSTALL 6" TYPE "A" CURB PER DETAIL ON SHEET DTI
26. CONSTRUCT 2.5" AC OVER 4" TYPE II AG, 5' WIDE TEMPORARY AC SIDEWALK
27. CONSTRUCT 2 LF DEPRESSED CURB
28. CONSTRUCT (7) 5" CONCRETE STEPS

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

DRAINAGE STUDY COMPLIANCE

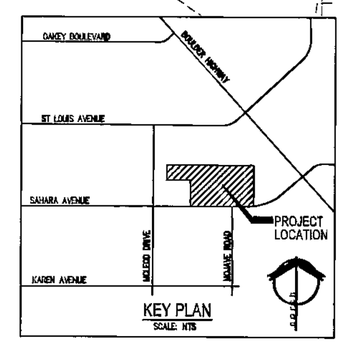
I, CHRISTOPHER M. BROWN, HEREBY CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS DS4439

CHRISTOPHER M. BROWN
NEVADA P.E. NO. 18059

10.4.10
DATE

GEOTECHNICAL:

GEOTECHNICAL EVALUATION PREPARED BY NINYO & MOORE SEPTEMBER 25, 2006 & UPDATED JUNE 21, 2010, WORK ORDER No. 302142001

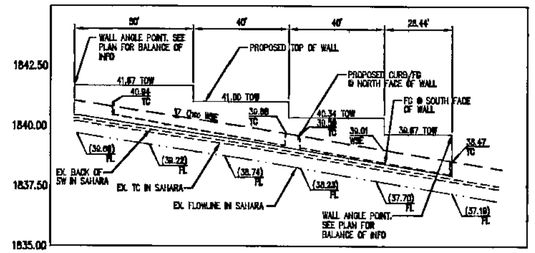


KEY PLAN
SCALE: NTS

LEGEND

	EXISTING	PROPOSED
RIGHT-OF-WAY		
PROPERTY LINE		
STREET CENTER LINE		
BUILDING		
CURB & GUTTER		
EDGE OF PAVEMENT		
FENCE/RETAINING WALL		
MINOR CONTOUR	2631	31
MAJOR CONTOUR	2630	30
SAWCUT		
GRADE BREAK OR HIGH POINT		GB/HP
SLOPE & DIRECTION	(4.50%)	4.50%
ELEVATION	(67.63) TC	67.63 TC
AC SWALE		

125839
125873
125884



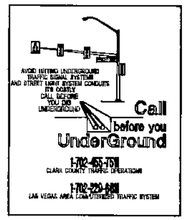
A GP2 FLOOD WALL PROFILE
SCALE: 1" = 30' (H)
1" = 3' (V)

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 UNDER- 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.

AVOID OVERHEAD POWER LINE CONTACT. IT'S CONTEL.
Call before you OVERHEAD
1-702-227-2929
NEVADA POWER EMPLOYEE AND SAFETY SERVICES DEPARTMENT

Call before you Dig
Avoid cutting underground utility lines. It's simple.
Call 811
OR
1-800-227-2600
ALSO VISIT OUR WEBSITE AT WWW.NVENERGY.COM
1-702-455-7544



BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 1, T. 21 S., R. 61 E., M.D.M. TAKEN AS N88°51'15"W AS SHOWN ON PARCEL MAP BOOK 114, PAGE 13, RECORDED IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA ON JUNE 14, 2007.

LEGAL DESCRIPTION

BEING LOT 1 OF PARCEL MAP BOOK 114, PAGE 13 LYING WITHIN A PORTION OF THE (SE 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

BENCHMARK

BEING CITY OF LAS VEGAS BENCHMARK BC11154 A RIVET & PLATE IN TOP OF CURB @ NE CORNER OF SAHARA AVENUE & MOLDED DRIVE, TAKEN AS ELEVATION 584.85750 (METERS), NAVD88 1933.130 FEET.

Service Building Addition
Construction Documents
3105 and 3120 East Sahara Ave
Las Vegas, Nevada 89104

APTUS
1200 South 4th Street
Suite 206
Las Vegas, Nevada 89104
P 702.839.1200
F 702.839.1213

APTUS PROJECT NO. 10.069
ARCHITECT

ENGINEER
PROFESSIONAL ENGINEER STATE OF NEVADA
CHRISTOPHER M. BROWN
Exp:12/31/2010
CIVIL
No. 18059

NOTES

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NO.	DESCRIPTION	DATE
1	ADD SAWCUT	1-3-11

ISSUED

TITLE
GRADING PLAN 2

H39923
107V5521-BAD

DRAWING NO.
SHEET 11 OF 12

GP2