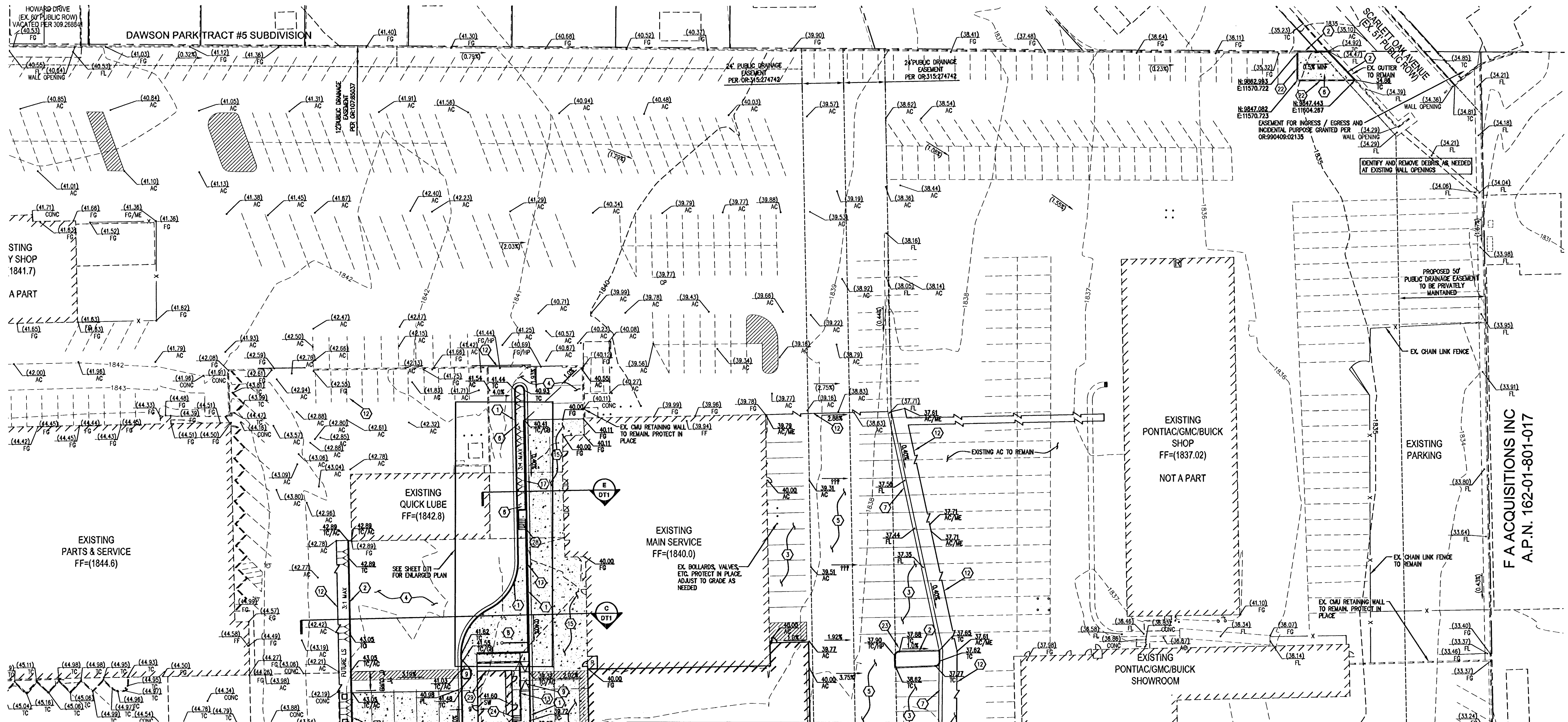
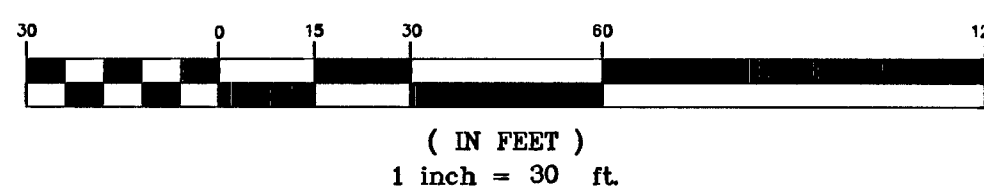




SEE SHEET GP2 FOR CONTINUATION

GRAPHIC SCALE



CONSTRUCTION NOTES:

1. CONSTRUCT "T" TYPE CURB & GUTTER PER COUNCIL #216
2. CONSTRUCT ON-SITE "A" CURB PER DETAIL ON SHEET DT1
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 COUNCIL #234
7. INSTALL 2" CONCRETE VALLEY GUTTER PER DETAIL ON SHEET DT1
8. INSTALL 3" CONCRETE VALLEY GUTTER PER DETAIL ON SHEET DT1
9. CONSTRUCT SIDEWALK RAMP USING ARROW TILE TRUNCATED DOMES OR EQUIVALENT PER COUNCIL #235, CASE 3-SEE DETAIL ON SHEET DT1
10. INSTALL 3" WIDE FLUME PER DETAIL ON SHEET DT1
11. APPROXIMATE LOCATION OF ROOF DRAINS. SEE PLUMBING PLANS
12. SAWCUT AND MATCH EXISTING PAVEMENT
13. CONSTRUCT 18" 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. JOINTS ARE TO BE SPACED AT 10' MAX INTERVALS, EACH DIRECTION
16. 48"x18" CMU BLOCK OPENING PER DETAIL ON SHEET DT1
17. INSTALL CMU RETAINING WALL. SEE STRUCTURAL PLANS
18. INSTALL UNDER SIDEWALK DRAIN PER COUNCIL #234
19. INSTALL CONCRETE BARRIER BLOCKS PER COUNCIL #238
20. CONSTRUCT DEEPENED FOOTING-SEE PLAN FOR MAX DEPTH
21. CONSTRUCT (3) 6" CONCRETE STEPS
22. CONSTRUCT CMU SCREEN WALL PER SMO REGIONAL STANDARD DRAWINGS 9-100-1
23. TIP-OUT "L" CURB
24. CONSTRUCT (4) 5" CONCRETE STEPS
25. INSTALL 9" TYPE "A" CURB PER DETAIL ON SHEET DT1
26. CONSTRUCT 2.5" AC OVER 4" TYPE II AGG. 5' WIDE TEMPORARY AC SIDEWALK
27. CONSTRUCT 2" LF DEEPENED CURB
28. CONSTRUCT (7) 5" CONCRETE STEPS

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)

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

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: 1-800-227-2900.

FLOOD ZONE NOTE

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 32003C 2100C, CLARK COUNTY, NEVADA, DATED SEPTEMBER 27, 2002, THE SITE LIES WITHIN A FEMA DESIGNATED ZONE "A". A ZONE "A" IS DESCRIBED AS AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD.

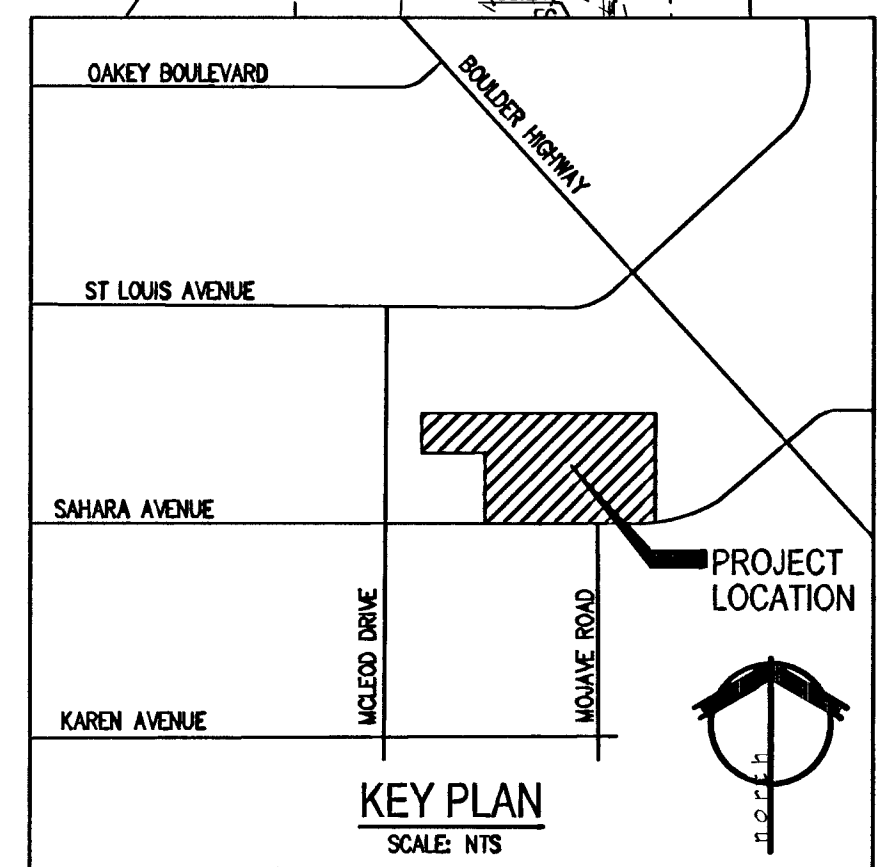
GEOTECHNICAL:

GEOTECHNICAL EVALUATION PREPARED BY NINYO & MOORE SEPTEMBER 25, 2008 & UPDATED JUNE 21, 2010, WORK ORDER NO. 302142001

Call before you Dig

Call before you Dig
1-800-227-2900
1-702-227-2929
NEVADA POWER UTILITIES AND SAFETY SERVICES DEPARTMENT

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1-800-227-2900
1-702-227-2929
NEVADA POWER UTILITIES AND SAFETY SERVICES DEPARTMENT



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 N., R. 61 S., 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 6C11154 A RIVET & PLATE IN TOP OF CURB @ NE CORNER OF SAHARA AVENUE & MILE DRIVE, TAKEN AS ELEVATION 564.85750 (METERS), NAVD83 1853.20 FEET.

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

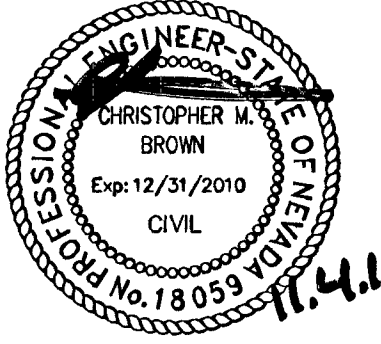
APTUS

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



NOTES

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NO. DESCRIPTION DATE

ISSUED

TITLE
GRADING PLAN I

1439923

107V5521-BAD

DRAWING NO.

SHEET 10 OF 12

GPI