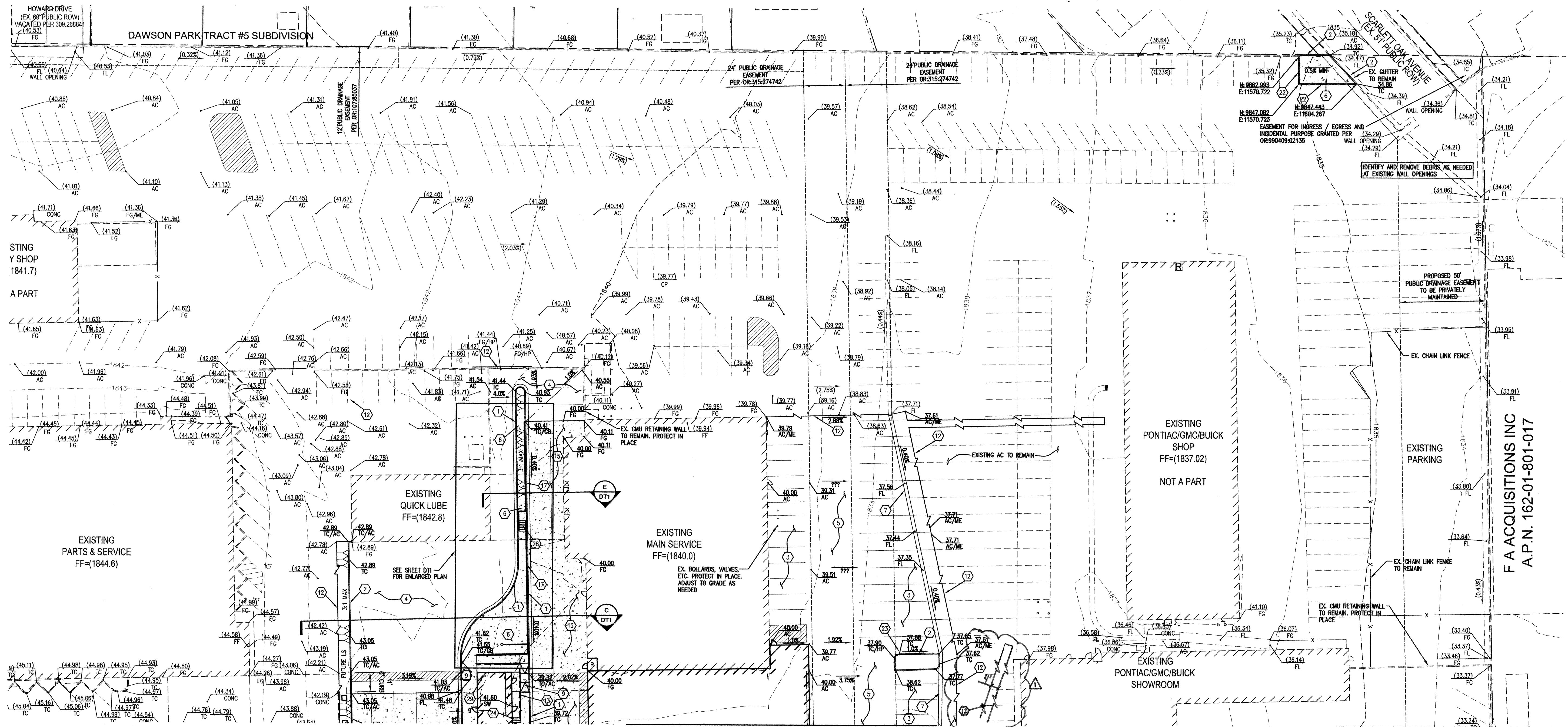
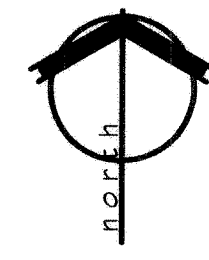
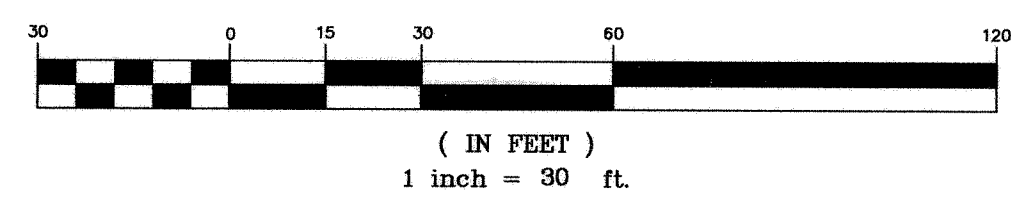




SEE SHEET GP2 FOR CONTINUATION

GRAPHIC SCALE



CONSTRUCTION NOTES:

1. CONSTRUCT 1" TYPE CURE & GUTTER PER CCAUSD #216
2. CONSTRUCT ONSTE 1" CURE 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 CCAUSD #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 ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD #235, CASE 3-SEE DETAIL ON SHEET DT1
10. INSTALL 5" WIDE FLUME PER DETAIL ON SHEET DT1
11. APPROXIMATE LOCATION OF ROOF DRAINS, SEE PLUMBING PLANS
12. SAWCUT AND MATCH EXISTING PAVEMENT
13. CONSTRUCT 1.85' 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 DT1
17. INSTALL CMU RETAINING WALL - SEE STRUCTURAL PLANS
18. INSTALL UNDER SIDEWALK DRAIN PER CCAUSD #236
19. INSTALL CONCRETE BUMPER BLOCKS PER CCAUSD #238
20. CONSTRUCT DESIGNED FOOTING-SEE PLAN FOR MAX DEPTH
21. CONSTRUCT (3) 6" CONCRETE STEPS
22. CONSTRUCT CMU SCREEN WALL PER SMO REGIONAL STANDARD DRAWINGS, 8-100-1
23. TOP-OUT 1" 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 DEEPRESSED 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)

FLOOD ZONE NOTE

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 32003C 21W06, 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.

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 054439

GEOTECHNICAL:

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

DISCLAIMER NOTE

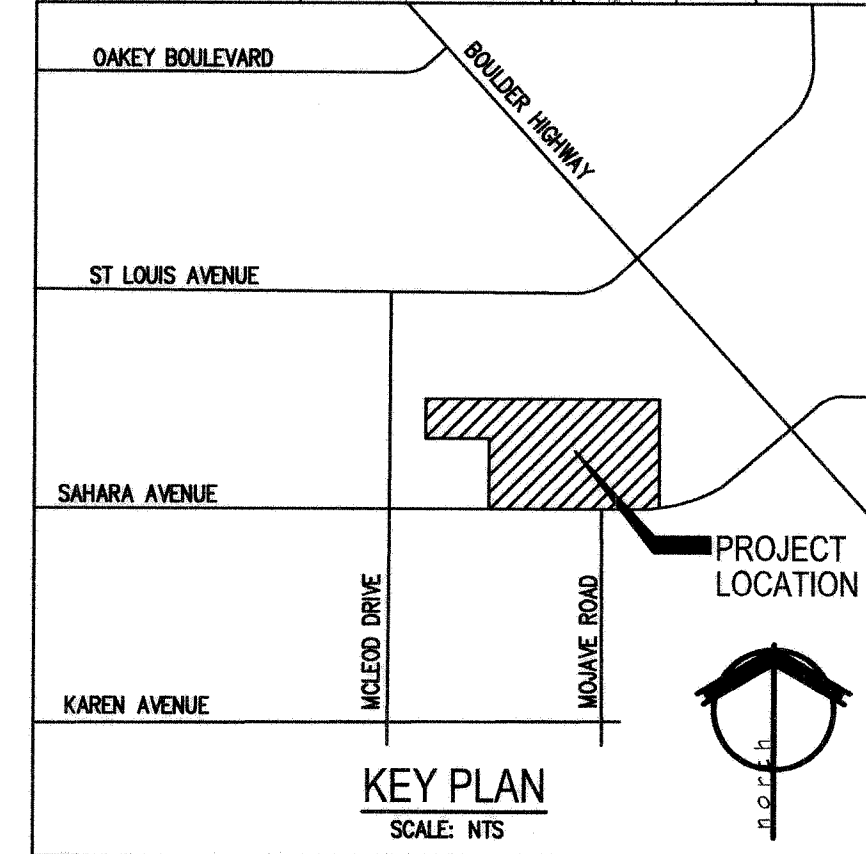
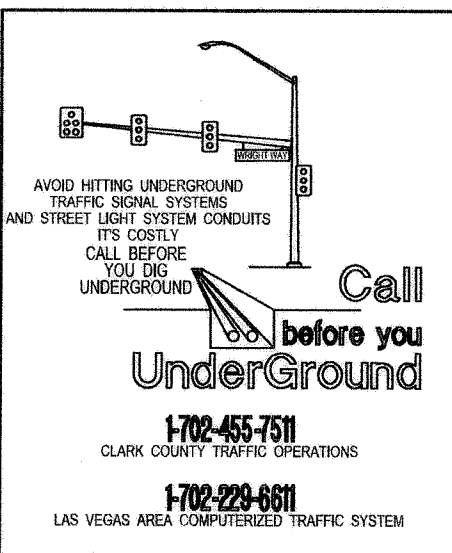
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. 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: 1-800-227-2800.

AVOID OVERHEAD POWER LINE

Call before you dig
1-702-227-2800
1-702-227-2929

Call before you Dig

Call before you dig
1-800-227-2800
1-702-227-2800



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. 81 S., M.D.M. TAKEN AS N89°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 81 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

BENCHMARK

BEING CITY OF LAS VEGAS BENCHMARK 6211154 A RIVET & PLATE IN TOP OF CURB @ THE CORNER OF SAHARA AVENUE & MILEOD DRIVE, TAKEN AS ELEVATION 564.85750 (METERS), NAVD83 1853.20 FEET.

Service Building Addition
Construction Documents

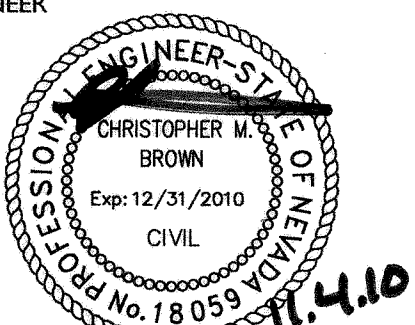
3105 and 3120 East Sahara Ave
Las Vegas, Nevada 89104

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
1	ISSUED	10/13/11

GRADING PLAN I

H 39923
107V5521-BAD

DRAWING NO. SHEET 10 OF 12

GPI