



A MAG NAIL WITH WASHER STAMPED "JMA 3699" LOCATED IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF FRONTIER AVE. N.E. AND VASSAR DRIVE N.E. AS SHOWN IN THE DRAWING.
ELEVATION = 5172.86 FEET (NGVD 1929)

T.B.M

A MAC NAIL WITH WASHER STAMPED "MAC 365" SET IN THE SIDEWALK ON THE WEST SIDE OF THE ENTRANCE TO A PARKING LOT ON THE SOUTH SIDE OF FRONTIER AVE. N.E. AS SHOWN ON THE DRAWING
ELEVATION = 5170.83 FEET

LEGEND

ASV	ANTI-SIPHON VALVE	
BS	BOTTOM CONCRETE STEP	
BY	BY PART MARK	
CBC	CONCRETE BUILDING COLUMN	
CLD	CENTERLINE OF DOOR	
CS	CONCRETE MOW STOP	
CO	SANITARY SEWER CLEAN-OUT	
CS	CONCRETE MOW STOP	
CO/P/WH	CONCRETE WITH METAL HANDRAIL	
CT	CONCRETE TREE	
DA	DECIDUOUS TREE	
EA	EDGE OF ASPHALT	
ECONO	ELECTRIC CONDUIT	
EM	ELECTRIC METER	
EP	ELECTRIC PANEL	
EPB	ELECTRIC PULLBOX	
ET	EMERGENCY TELEPHONE	
FI	FIRE HYDRANT	
FL	FLOWLINE	
FWP	FIRE PROTECTION WATER LINE	
GP	BY PART MARK	
GP/P	GUARD POST WITH PIPE	
GS	GS SERVICE	
GV	GS VALVE BOX	
HAC	HAND-AP/ CONDITIONER ON CONCRETE	
HAP	HAND-AP/ SOIL	
LS	LANDSCAPING	
MG	METAL GUARD POST	
MMPB	MIXED MEDIA PULLBOX	
MMP	MIXED MEDIA RISER	
MP	METAL POST	
NG	NATURAL GROUND	
NR	PARKING BUMPER	
PI	PAINTED ISLAND	
PM	PARKING METER	
PS	PARKING SIGN	
RD	ROOF DRAIN	
RS	ROOF DRAIN WITH SPLASH BLOCK	
RRT	RAILROAD	
SCT	SPRINKLER CONTROL	
SH	SMALL DECIDUOUS TREE	
SH	SHRUB	
SS	SMALL SHRUB	
SSV	SMALL SPRINKLER VALVE	
SVB	SPRINKLER VALVE BOX	
TB	TOP OF SIDEWALK	
TC	TOP OF CURB	
TCB	TELEPHONE CABINET	
TCB	TOP OF CONCRETE	
TS	TRAFFIC SIGN	
TS	TOP OF WALL	
U/M	UNDERGROUND MIXED MEDIA	
U/M	WOOD BENCH	
WGP	WOOD GUARD POST	
WL	WOOD LANDING	
WL	WOOD LIGHT POLE	
WM	WATER METER BOX	
WP	WOOD POWER POLE	
WS	WOOD STEPS	
WV	WOOD VALVE BOX	
WV	EXISTING CONTOUR	
	EXISTING SLOPE ELEVATION	
+ 71.7	EXISTING SLOPE ELEVATION (AS-DESIGNED)	
71.92	SHRUB	
	SMALL DECIDUOUS TREE	
	SMALL CONIFEROUS TREE	
 (0.9'd)	DECIDUOUS TREE (CALIPER SIZE)	
 (0.9'd)	CONIFEROUS TREE (CALIPER SIZE)	
72.50	PROPOSED SLOPE ELEVATION	
	PROPOSED DIRECTION OF FLOW	
	PROPOSED CONCRETE	
	PROPOSED ASPHALT PAVEMENT	
72	PROPOSED CONTOUR	

BID SET	14MAY2007
UNM REVIEW	24APR2007
100% REVIEW	25JAN2007
Design	J.G.M.
Drawn	SGH/JLP
IA Project Number	280624

GRADING AND DRAINAGE PLAN

RECEIVED
SEP 05 2007
HYDROLOGY SECTION

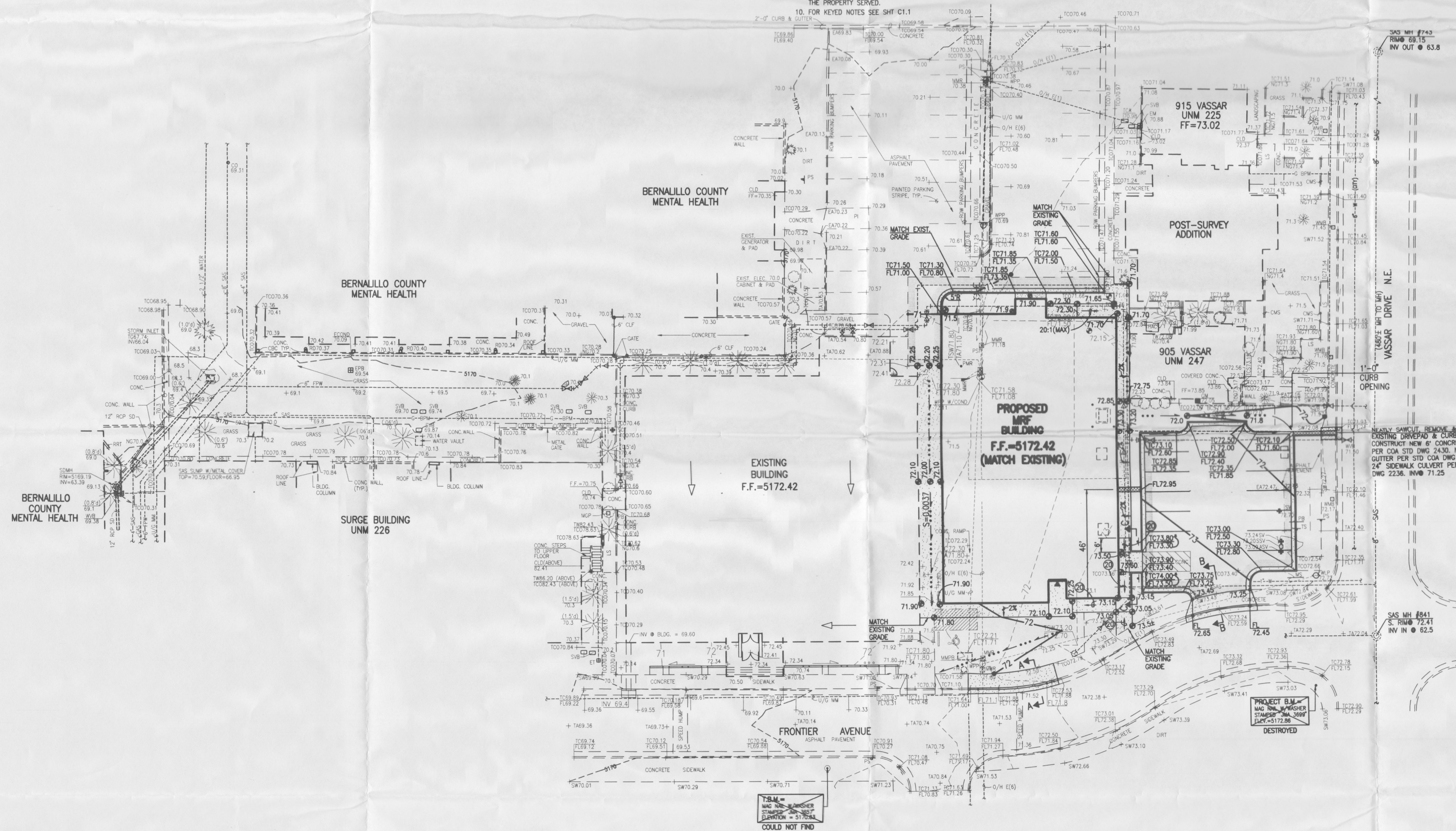
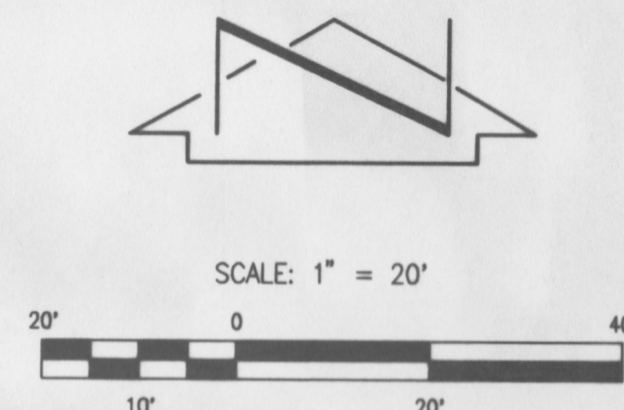
C1.3

CONSTRUCTION NOTES

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 280-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
2. ON CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAY OR INTERFERENCES IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION, SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE LOCATED AND IDENTIFIED, THE CONTRACTOR SHALL PROTECT THE OWNERS OF THE UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE ENGINEER'S INVESTIGATION IS CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THEREON, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL PROTECT THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PROTECT EXISTING AND UNDERGROUND UTILITY LINES AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
6. THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTING AND LANDSCAPING SHALL BE THE RESPONSIBILITY OF THE OWNER. BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.
7. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY, AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
8. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
9. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
10. FOR KEYED NOTES SEE SHT C-1.1

EROSION CONTROL MEASURES:

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
2. THE CONTRACTOR SHALL PROPERLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OF THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. WHEN APPLICABLE, CONTRACTOR SHALL OBTAIN "TOPSOIL DISPOSAL PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
4. UNLESS FIRM STABILIZATION IS OTHERWISE PROVIDED, FOR ANY AREAS OF EXCESS DISTURBANCE (TRAFFIC ACCESS, STORAGE YARD, EXCAVATED MATERIAL, ETC.) SHALL BE RE-SEEDING ACCORDING TO C.O.A. SPECIFICATION 1012 "NATIVE GRASS SEEDING". THIS WILL BE CONSIDERED AN ADDITIONAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.



NOTE: THIS IS NOT A TOPOGRAPHIC SURVEY; TOPOGRAPHIC INFORMATION DEPICTED ON THIS PLAN IS BASED UPON THE "TOPOGRAPHIC AND UTILITY SURVEY" PREPARED BY JEFF MORTENSEN & ASSOCIATES, INC. AND DATED 03/10/2003, NMPS NO. 11184 WITH SUPPLEMENTAL TOPOGRAPHIC INFORMATION OBTAINED BY JEFF MORTENSEN & ASSOCIATES, INC., NMPS 8547 AND RECORD INFORMATION FOR MODULAR BUILDINGS AND UNDERGROUND UTILITIES FROM UNIM.

S.O. #19 SIGN-OFF

APPROVALS	NAME	DATE
HYDROLOGY		
SIDEWALK INSPECTOR		
STORM DRAIN MAINTENANCE		

2003.019.7



JEFF MORTENSEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250
☐ FAX: 505 345-4254 ☐ ESTABLISHED 1977

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