

KEYED NOTES

- 5'x5' CONCRETE LANDING w/ 12:1 RAMPS NORTH TO NEW FLOOR AND WEST TO EXISTING ASPHALT PAVEMENT. REMOVE EXISTING CONCRETE STOOP EAST AND REPLACE TO NEW DIMENSIONS AND GRADES.
- 8' LONG CONCRETE RAMP. MATCH GRADE OF EXISTING CONCRETE RAMP ALONG NORTH EDGE AND GRADE OF EXISTING ASPHALT ALONG WEST EDGE.
- 4' LONG CONCRETE RAMP. MATCH GRADE OF EXISTING ASPHALT ALONG EAST EDGE.
- CONCRETE CHANNEL. SEE DETAIL THIS SHEET.
- 4" CONCRETE SLAB ON 6" COMPACTED SUBGRADE. GRADE TO DRAIN TO EXISTING ASPHALT SWALE.
- 3" ASPHALT (1/2" AGGREGATE) PAVEMENT ON 6" COMPACTED SUBGRADE. GRADE TO TRANSITION FROM NEW CONCRETE RAMP TO EXISTING ASPHALT.
- EXISTING CONCRETE SLAB TO REMAIN. EXPAND SLAB FOR NEW BUILDING. SEE ARCHITECTURAL FOR DETAILS.
- REMOVE EXISTING CONCRETE RAMP.
- REMOVE EXISTING SHEDS.
- ROOF RIDGE LINE.

DRAINAGE NOTES

- THE SITE IS PRESENTLY DEVELOPED AND IS A PART OF THE CLIFF'S AMUSEMENT PARK. IT IS DESIGNATED AS BASIN 'C' IN THE PREVIOUSLY APPROVED GRADING AND DRAINAGE PLAN PREPARED BY JEFF MORTENSEN & ASSOC., INC. DATED 01/21/00, WHICH IS AN AMENDMENT TO THE SITE'S "MASTER DRAINAGE PLAN (F17/D31A)". THE PROPOSED CONSTRUCTION IS IN CONFORMANCE WITH THE DESIGN PARAMETERS OF THE APPROVED PLAN, IS INTERNAL TO THE SITE AND HAS NO ADVERSE IMPACT ON ADJUTING PUBLIC OR PRIVATE PROPERTIES.
- THE SITE IS LOCATED IN PRECIPITATION ZONE 2. AS A RESULT OF THE PROPOSED CONSTRUCTION THERE WILL BE A FLOW INCREASE OF 0.02 AND 0.02 CFS FOR THE 10 YEAR AND 100 YEAR STORMS RESPECTIVELY AND THE 6 HOUR RUNOFF VOLUMES FOR THE 10 YEAR AND 100 YEAR STORM INCREASE BY 43 AND 52 CUBIC FEET RESPECTIVELY. MOST OF THE RUNOFF FROM THE NEW DEVELOPMENT IS ROUTED NORTH TO THE NORTH PARKING LOT AND THE EXISTING CONCENTRATED FLOWS ARE ALLOWED TO CONTINUE WEST TO THE WEST PARKING LOT.
- THE SITE IS LOCATED IN A 'ZONE X' PER FEMA FIRM MAP NO. 139, DATED SEPTEMBER 26, 2008.
- TOPO SURVEY DATA SHOWN ON THIS DRAWING WAS OBTAINED BY HARRIS SURVEYING, INC., DATED SEPTEMBER, 2010.

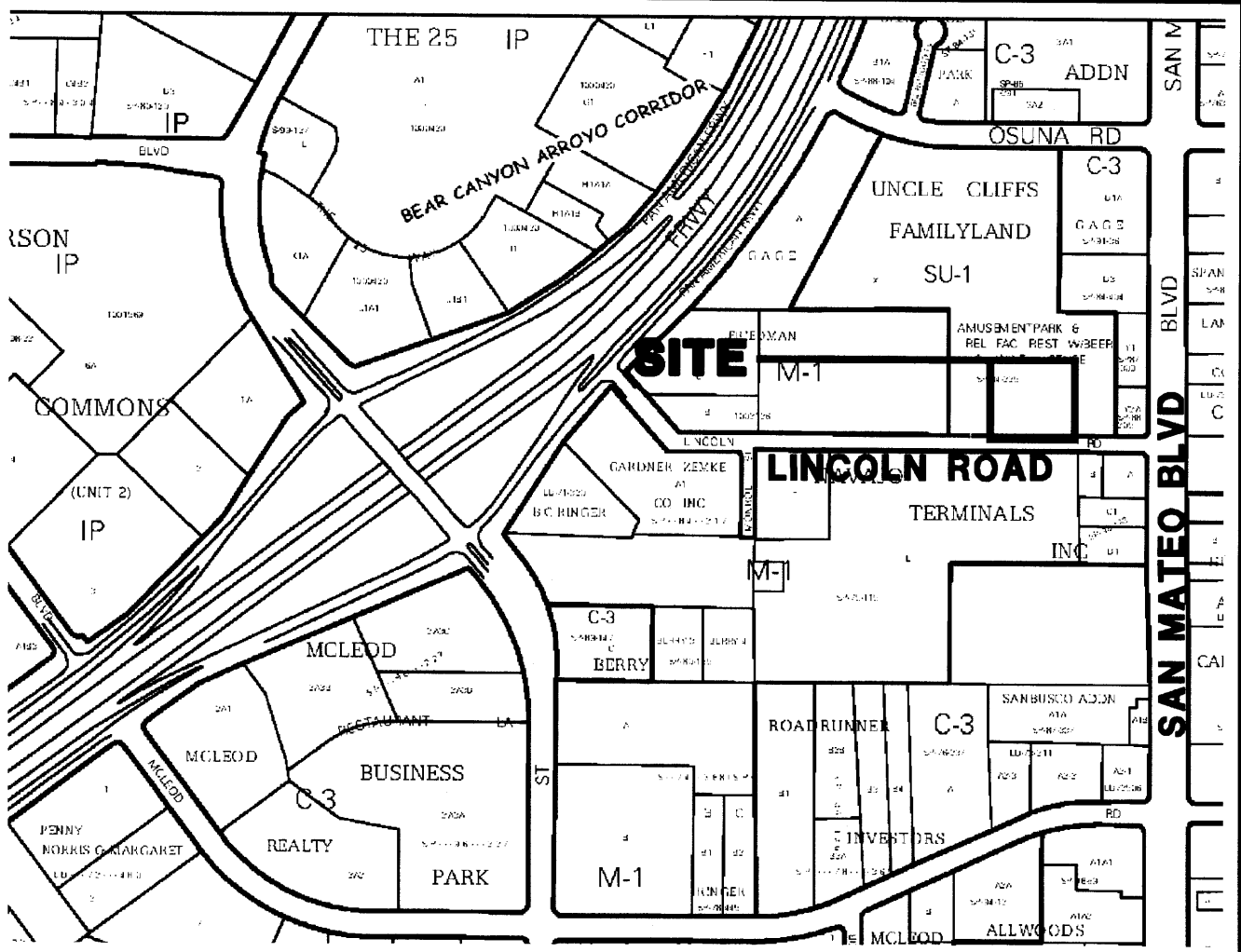
GRADING NOTES

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT THE NEW MEXICO ONE CALL SYSTEM AT 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY THE CONSTRUCTION OF TEMPORARY SOIL BERMS OR SILT FENCES AT PROPERTY LINES AND WETTING SOIL TO PREVENT IT FROM BLOWING. IF THE SITE IS CONTROLLED BY A SWPPP PLAN, EROSION CONTROL SHALL BE ACCOMPLISHED ACCORDING TO THE PLAN.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- THE CONTRACTOR SHALL SECURE THE APPROPRIATE BARRICADING, TOP SOIL DISTURBANCE AND EXCAVATION PERMITS FROM THE CITY PRIOR TO BEGINNING CONSTRUCTION.

VICINITY MAP F-17



FEMA FIRM PANEL NO. 139



GRADING CERTIFICATION

I, Jean J. Bordenave, New Mexico Professional Engineer and Land Surveyor No. 5110, hereby certify that I have personally inspected the property shown hereon and that it appears that no grading, filling or excavation has occurred thereon since the contour map shown hereon was prepared.

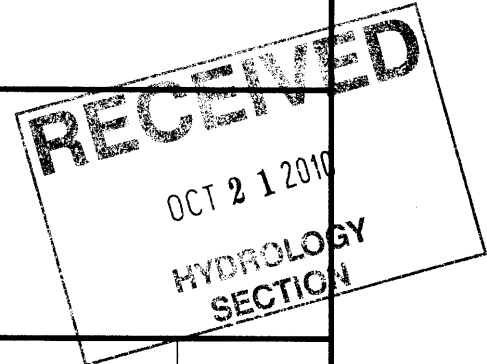
Jean J. Bordenave 10/21/10
Jean J. Bordenave, NM PE & PS No. 5110

LEGAL DESCRIPTION

UNCLE CLIFF'S FAMILYLAND

PERMANENT BENCHMARK

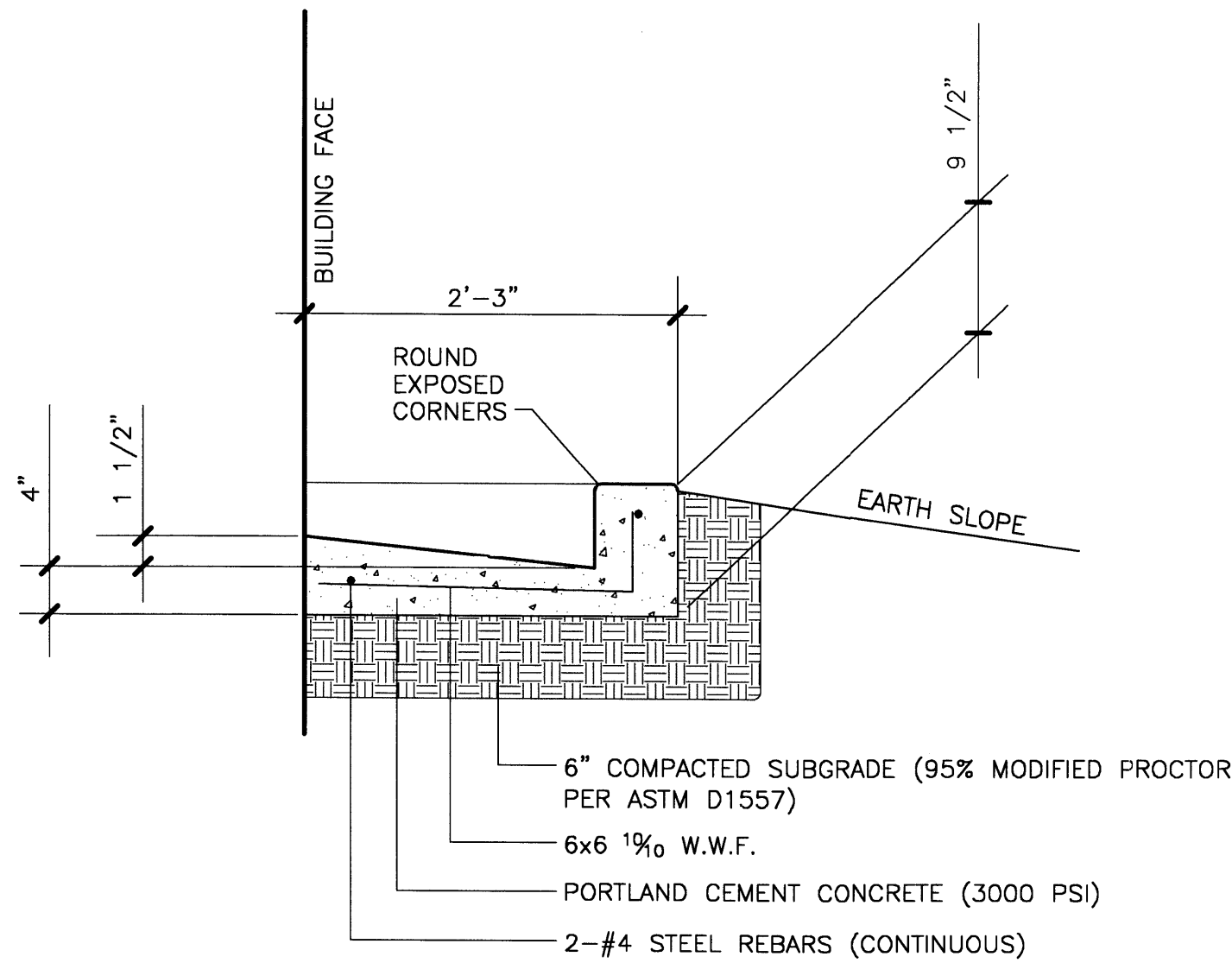
ACS 7-K10 ELEVATION 5097.854 (NAVD 1988)



CONCRETE CHANNEL

LEGEND

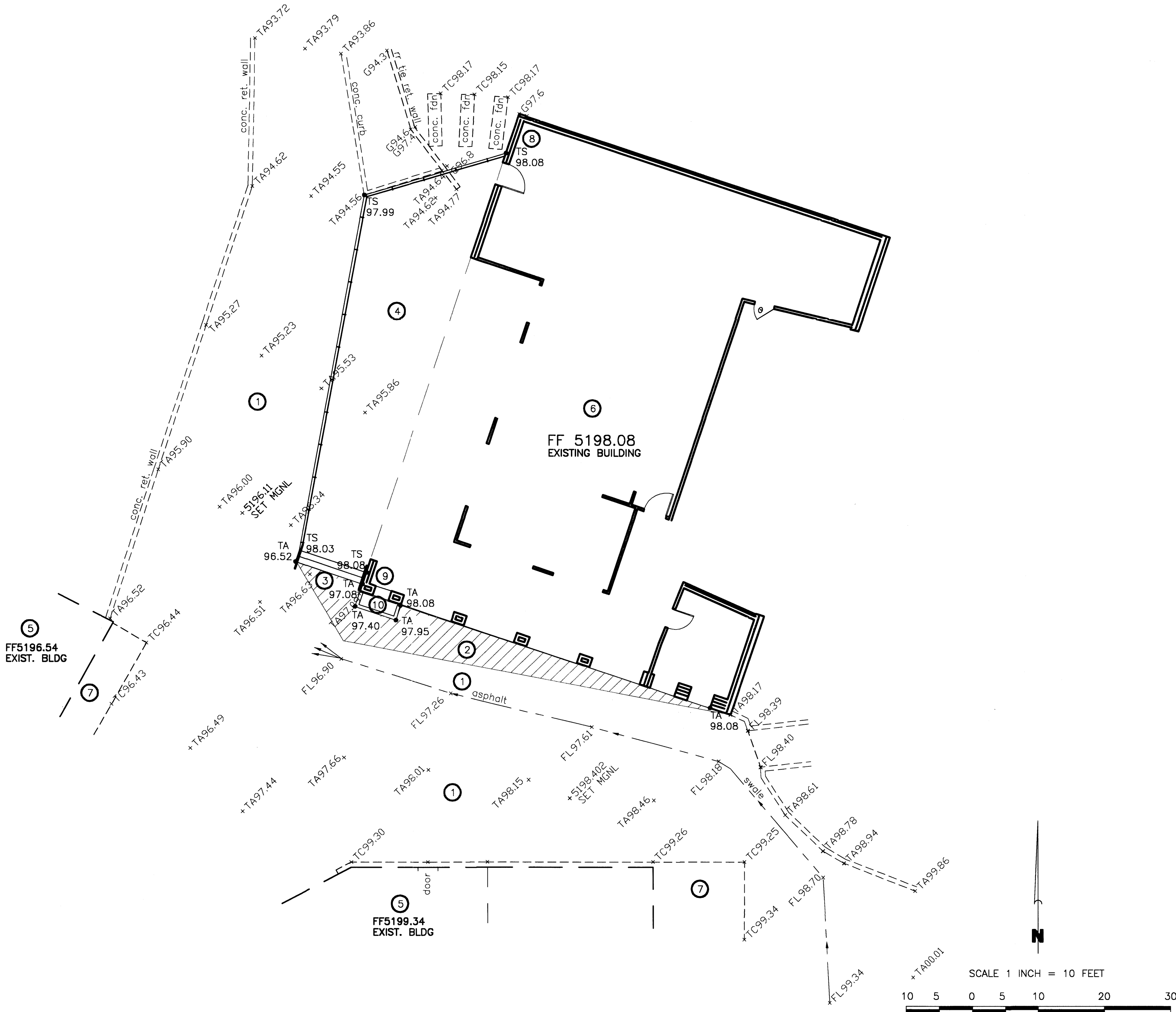
DRAINAGE DATA



TBM	TEMPORARY BENCHMARK	PP	ELEC. &/OR TEL. POLE
G	GROUND	GW	GUY WIRE
FF	FINISH FLOOR	HB	HOSE BIB
FG	FINISH GRADE	IRR VLV	IRRIGATION VALVE
FL	FLOWLINE	SPR	SPRINKLER HEAD
TA (EA)	TOP (EDGE) ASPHALT	PED	ELEC. OR TEL. PEDESTAL
TC (EC)	TOP (EDGE) CONCRETE	RD	ROOF DRAINAGE POINT
BC	TOP OF CURB		
TP	TOP OF EARTH PAD		EXISTING TOPO ITEM
TS	TOP OF SIDEWALK		FEMA FLOODPLAIN BOUNDARY
TW	TOP OF WALL		STUDY BOUNDARY
FH	FIRE HYDRANT		EROSION SETBACK LINE
WM	WATER METER		EXISTING CONTOUR
WV	WATER VALVE		PROPOSED CONTOUR
MH	MANHOLE		EXISTING SPOT ELEVATION
CB	CATCH BASIN GRATE		PROPOSED SPOT ELEVATION
GM	GAS METER		RECORD SPOT ELEVATION
GV	GAS VALVE		
LP	LIGHT POLE		

CONDITION	STORM RETURN PERIOD	TREATMENT TYPE	TREATMENT AREA	EXCESS PRECIPITATION	PEAK RUNOFF	RUNOFF VOLUME	RUNOFF RATE
	year	(table 4)	sq. ft.	in.	(table 9) cfs/acre	cu. ft.	cfs
EXISTING	10	A	0	0.13	0.38	0	0.00
		B	0	0.28	0.95	0	0.00
		C	1609	0.52	1.71	70	0.06
		D	2467	1.34	3.14	275	0.18
		TOTAL	4076			345	0.24
	100	A	0	0.53	1.56	0	0.00
		B	0	0.78	2.28	0	0.00
		C	1609	1.13	3.14	152	0.12
		D	2467	2.12	4.7	436	0.27
		TOTAL	4076			587	0.38
PROPOSED	10	A	0	0.13	0.38	0	0.00
		B	0	0.28	0.95	0	0.00
		C	984	0.52	1.71	43	0.04
		D	3092	1.34	3.14	345	0.22
		TOTAL	4076			388	0.26
	100	A	0	0.53	1.56	0	0.00
		B	0	0.78	2.28	0	0.00
		C	984	1.13	3.14	93	0.07
		D	3092	2.12	4.7	546	0.33
		TOTAL	4076			639	0.40

GRADING PLAN



KEYED NOTES

1. EXISTING ASPHALT PAVING TO REMAIN.
2. EXISTING ASPHALT PAVING (HATCHED AREA) TO BE REMOVED REGRADED AND REPAVED WITH 3" ASPHALT PAVEMENT ON 6" COMPACTED SUBGRADE.
3. NEW CONCRETE STEPS.
4. NEW RAISED CONCRETE PATIO.
5. EXISTING BUILDING TO REMAIN.
6. EXISTING BUILDING. REMODEL PER ARCHITECTURAL PLANS.
7. EXISTING CONCRETE SLAB TO REMAIN.
8. EXISTING ROOF DRAIN TO REMAIN.
9. EXISTING ROOF DRAIN. REDIRECT TO EXIT ON WEST SIDE OF NEW PATIO AREA.
10. NEW RAISED PLANTER.

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2. THE SITE IS LOCATED IN PRECIPITATION ZONE 2. THERE IS NO CHANGE IN THE RUNOFF RATE OR VOLUME RESULTING FROM THE PROPOSED CONSTRUCTION. ALL RUNOFF FROM THE REDEVELOPED AREA WILL DRAIN IN THE SAME MANNER AS IT DOES PRESENTLY.
3. THE SITE IS LOCATED IN A 'ZONE X' PER FEMA FIRM MAP NO. 139, DATED SEPTEMBER 26, 2008.
4. TOPO SURVEY DATA SHOWN ON THIS DRAWING WAS OBTAINED BY BASELINE FIELD SERVICES, INC., DATED MARCH, 2011.

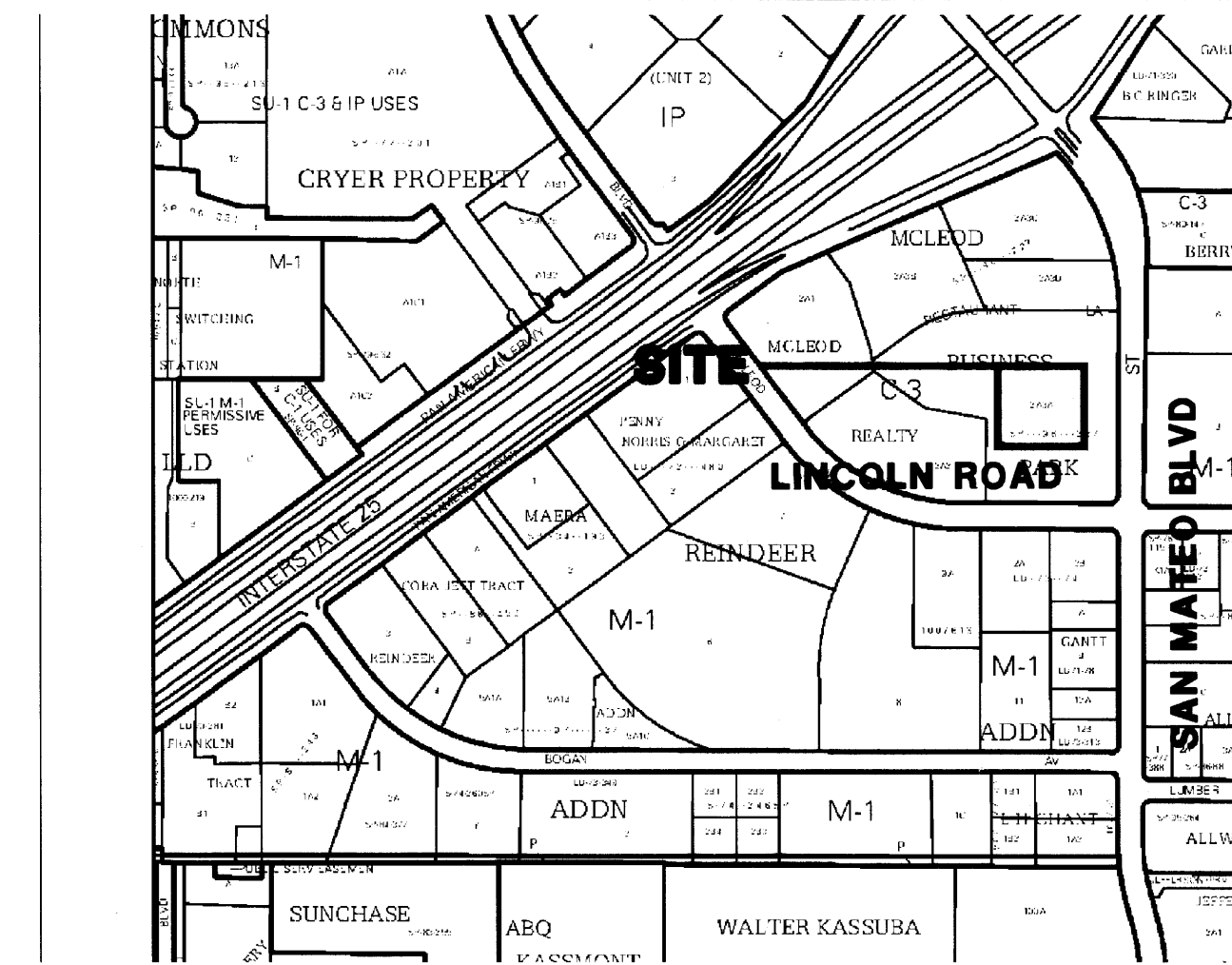
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ASPHALT PAVEMENT

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THERE IS NO CHANGE IN THE RUNOFF RATES OR VOLUMES AS A RESULT OF THE PROPOSED CONSTRUCTION.

PERMANENT BENCHMARK

ACS 7-K10 ELEVATION 5097.854 (NAVD 1988)



project title
**CLIFF'S AMUSEMENT PARK
OSUNA RD. NE
ALBUQUERQUE, NM**

sheet title
GRADING & DRAINAGE PLAN

sheet date 03/21/11 design by JJB project no. 1102



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