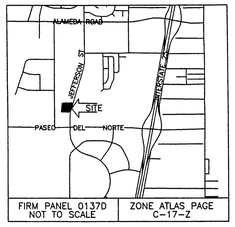


SYMBOL LEGEND

EXISTING CONTOUR	5102
PROPOSED CONTOUR	26
PROPOSED SPOT ELEVATION	27.50 TC 27.00 TA
PROPERTY LINE	
EASEMENT LINE	
FLOW DIRECTION	
EXISTING SPOT ELEVATION	+85.1
DOWN SPOUT	□
AS-BUILT ELEVATION	~~22.00~~ 21.99

ABBREVIATION LEGEND

TOP OF CON. PAD	–	TCP
TOP OF CURB	–	TC
TOP OF ASPHALT	–	TA
FLOWLINE	–	FL
TOP OF WALL	–	TW

DRAINAGE CERTIFICATION FOR LOT 11 UNIT FIVE LOOP INDUSTRIAL DISTRICT (8301 JEFFERSON NE)

AS INDICATED BY THE AS-BUILT INFORMATION SHOWN HEREON: 8301 JEFFERSON NE HAS BEEN GRADED AND DRAINED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLAN DATED 11/18/99 WITH THE FOLLOWING DEVIATION.

1. THE APPROVED GRADES WITHIN THE TWO DRIVEPADS WHERE ALTERED SLIGHTLY PER THE CITY TRANSPORTATION DEPT.

THIS DEVIATION DOES NOT IMPACT THE DRAINAGE CONCEPT IN ANY WAY THE SITE DRAINAGE WILL FUNCTION IN ACCORDANCE WITH THE PATTERNS ESTABLISHED BY THE APPROVED PLAN. THEREFORE A PERMANENT CERTIFICATE OF OCCUPANCY IS HEREBY RECOMMENDED. THE AS-BUILT INFORMATION SHOWN HEREON WAS OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

HAROLD L. BENNETT NMPE # 10776 DATE

NOTE:
FINISH GRADE AT ALL PLANTERS SHALL BE DEPRESSED AS FOLLOWS.

SOD.....4-INCHES

ALL OTHERS.....3-INCHES

GENERAL NOTES

1. Provide cuts in curbing and landscape drainage swales as required by the grading and drainage plan.
2. All earthwork and site preparation shall comply with the GRADING AND DRAINAGE PLAN and the GEOTECHNICAL.
3. Contractor shall remove all existing site improvements, utilities, excavated and plant materials, and shall dispose of them as required by the plans and specs.
4. All exterior concrete shall be 3000 PSI @ 28 days.

KEYED NOTES

1. 3-inch asphalt paving on compacted, (95%) subgrade.
2. Install concrete apron per City Specifications.
   All ramps shall comply with ADA requirements, 60-. inch min. width, 1:12 max slope, 1:10 max slope at side flares. The full width and depth of all ramps shall be scored per ADA for detectable warning surfacing.
3. Cut and remove existing driveway aprons and install curb and gutter to match existing. Curb and gutter shall be per City profile and specifications. Replace curb and as required by new site layout.
4. Reinforced concrete walk as shown, 4-inch thick with 6 x 6 – 10 x 10 WWF.
5. Limits of asphalt pavement.
6. Roof drain leader under conc to daylight at face of curb.

GRADING/DRAINAGE PLAN

The following items concerning Lot 11 Unit Five Loop Industrial District, City of Albuquerque, Bernalillo County, New Mexico are contained hereon:

1. Vicinity Map 2. FEMA Flood Map 3. Drainage Calculations

EXISTING CONDITIONS

As shown by the vicinity map , the site contains 1.004 acres and is located north of Paseo Del Norte on Jefferson just north of the AMAFCA Drainage R/W. The site drains from east to west towards a 30' foot private drainage easement provided by the Master Drainage Plan (C17-D13). According to the Flood Insurance Rate Map Panel 0137-D, dated September 20, 1996, the site is not located within a designated flood zone.

PROPOSED CONDITIONS

As shown by the grading/Drainage Plan, the project will consist of a 11,580 sf Office/Warehouse building with associated paved parking and landscape areas. A Master Drainage Plan prepared for the Loop Industrial District (Drainage File # C17-D13) provided for a 30' foot private drainage easement along the west property line. The site will be graded to drain from east to west and into the drainage easement. The calculctions which appear hereon, analyze the existing and proposed conditions for the 100-year, 6 hr. rainfall event. The analysis is in accordance with the City of Albuquerque Development Process Manual Volume II, Design Criteria dated 1997.

DOWN STREAM CAPACITY

Per the approved Master Drainage Plan, the site is allowed free discharge into the existing 30' foot private drainage easement, located at the west property line.

8301 JEFFERSON AREA = 1ac.

ZONE 2
PRECIPITATION: 360= 2.35in.
1440= 2.75in.
10DAY= 3.95 in.

EXCESS PRECIPITATION:		PEAK DISCHARGE:	
TREATMENT A	0.53in.	1.56	cfs/ac.
TREATMENT B	0.78in.	2.28	cfs/ac.
TREATMENT C	1.13in.	3.14	cfs/ac.
TREATMENT D	2.12in.	4.70	cfs/ac.

EXISTING CONDITIONS: AREA		PROPOSED CONDITIONS: AREA	
TREATMENT A	0ac.	0ac.	
TREATMENT B	0ac.	0ac.	
TREATMENT C	1ac.	0.124ac.	
TREATMENT D	0ac.	0.881ac.	

EXISTING EXCESS PRECIPITATION:

Weighted E = 0.53)x0.00)+ 0.78)x0.00)+1.13)x1.00)+2.12)x0.00)1.00ac.
= 1.13
V100-360 = 1.13)x1.00)/12 = 0.0945ac-f= 4118 cf

EXISTING PEAK DISCHARGE:
Q100 = 1.56)x0.00)+ 2.28)x0.00)+3.14)x1.00)+4.70)x0.00 =3.14cfs

PROPOSED EXCESS PRECIPITATION:

Weighted E = 0.53)x0.00)+ 0.78)x0.00)+1.13)x0.12)+2.12)x0.88)1.00ac.
= 2.00
V100-360 = 2.00)x1.00)/ 12.0= 0.1671ac-f= 7283 cf

V100-1440 = 0.17)+0.88)x 2.75- 2.35)/12 = 0.1965ac-f= 8561 cf

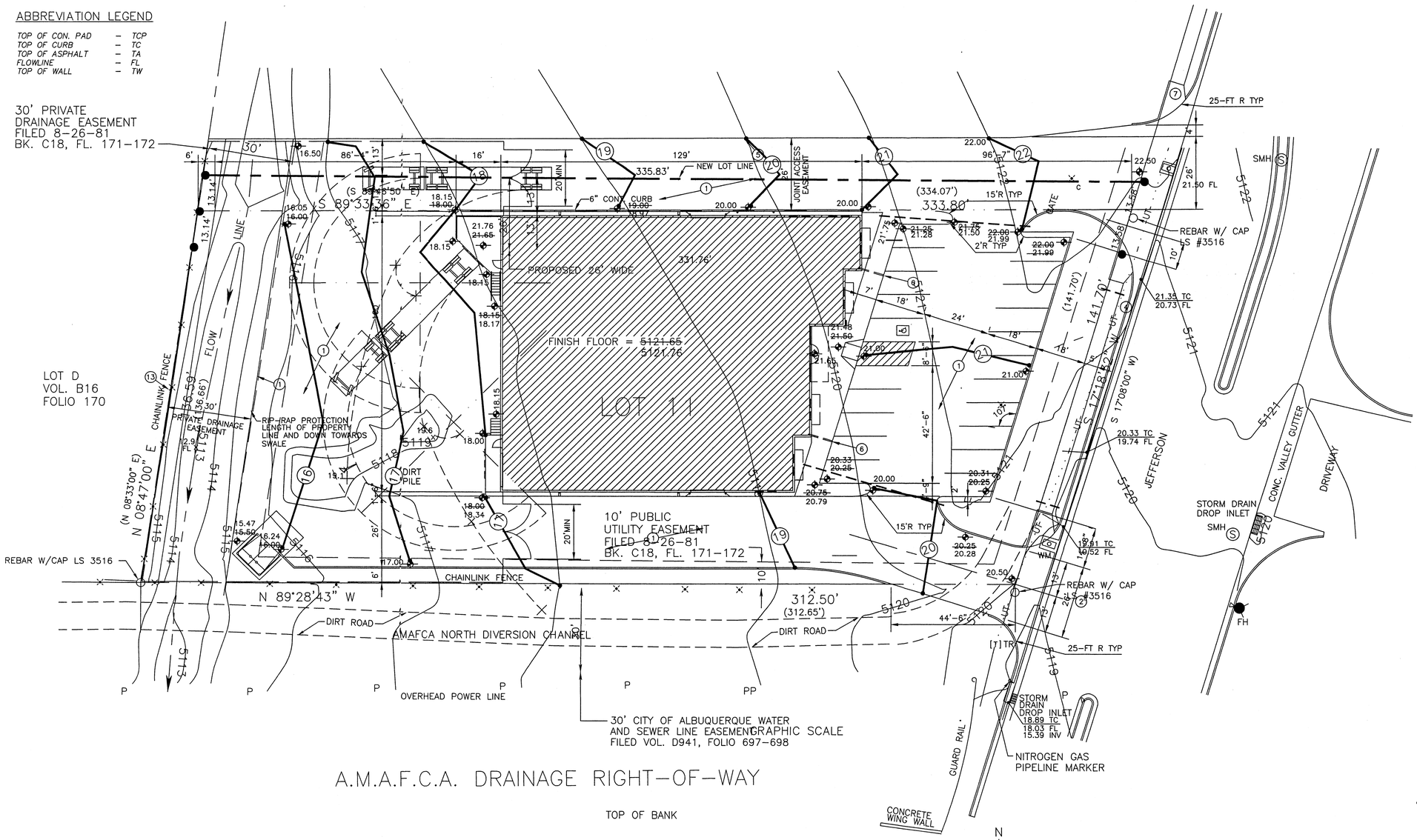
V100-10day = 0.17)+0.88)x 3.95- 2.35)/12 = 0.2845ac-f= 12397cf

PROPOSED PEAK DISCHARGE:
Q100 = 1.56)x0.00)+ 2.28)x0.00)+3.14)x0.12)+4.70)x0.88) = 4.51cfs

EROSION CONTROL MEASURES

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION, HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

1. ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY TEMPORARY BERMS, DIKES, SWALES, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTY.
2. ADJACENT PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUN-OFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
3. THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.



PROJECT NAME	REVISIONS
OFFICE/WAREHOUSE 8301 JEFFERSON NE ALBUQUERQUE, NM	NO. 1 DATE 6/20/2000 ENGINEER CERTIFICATION
DRAWING TITLE	

RECEIVED
JUN 20 2000
HYDROLOGY SECTION