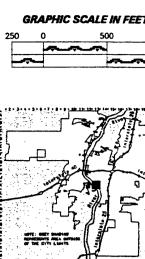


ZONE X ZONE X



Zone Atlas Page K-13-Z

GRADING/PAVING PLAN

The following items concerning 1410 Coal Ave. SW (Lot 1-7 Block 45 Huning Castle Addition) Catholic Social Services of Albuquerque are contained hereon:

1.) Grading/Paving Plan 2.) Vicinity Map 3.) Drainage Calculations

EXISTING CONDITIONS

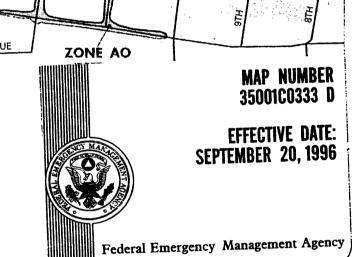
As shown by the vicinity map, the site contains approximately .5607 acres of offices, associated landscaping and paved parking. The site is located on the Southwest Quadrant of the intersection of Coal Avenue SW and 14th St. SW. According to the Flood Insurance Rate Map, Panel 0333D, Dated September 20,1996, this site is not located within a designated Flood Zone.

PROPOSED CONDITIONS

The existing asphalt areas are to pulverized and repaved to or close to the existing grades. The plan indicates the grades which are to be followed. The new calculations reflect the new drainage criteria which is in effect at this time. The calculations hereon; analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The procedures for 40 acres and smaller basins, as set forth in the revision of Section 22.2 Hydrology of the Development Process Manuel, volume 2, Design Criteria dated January 1993, has been used to quantify the peak rate of discharge and volume generated.

DOWNSTREAM CONDITIONS

There is an existing single "C" inlet just east of the eastern drivepad, which accepts the flows from this site.



CATHOLIC SOCIAL S AREA AC 0.56 ac.

ZONE 2	2 1410 COAL SW			
PRECIPITATIO	ON:	360 =	2.35	in.
		1440 =	2.75	in.
		10day =	3.95	in.

	,	••••		
E	EXCESS PRECIPITAT	ION: PEAK	DISCHARGE:	
TREATMENT A	0.53 in.	1.56	cfs/ac.	
TREATMENT B	0.78 in.	2.28		
TREATMENT C	1.13 in.	3.14		
TREATMENT D	2.12 in.	4.70		
EXISTING CONDITIONS:		PROPOSED CO	PROPOSED CONDITIONS:	
	AREA	AREA		
TREATMENT A	0 ac.	0 ac.		
TREATMENT B	0 ac.	0 ac.		
TREATMENT C	0.02 ac.	0.02 ac.		
TREATMENT D	0.54 ac.	0.54 ac.		

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.53)x(0.00)+(0.78)x(0.00)+(1.13)x(0.02)+(2.12)x(0.54)/0.56= 2.08 in. V100-360 = (2.08)x(0.56)/12 = 0.097127 ac-ft = 4231 cf

EXISTING PEAK DISCHARGE:

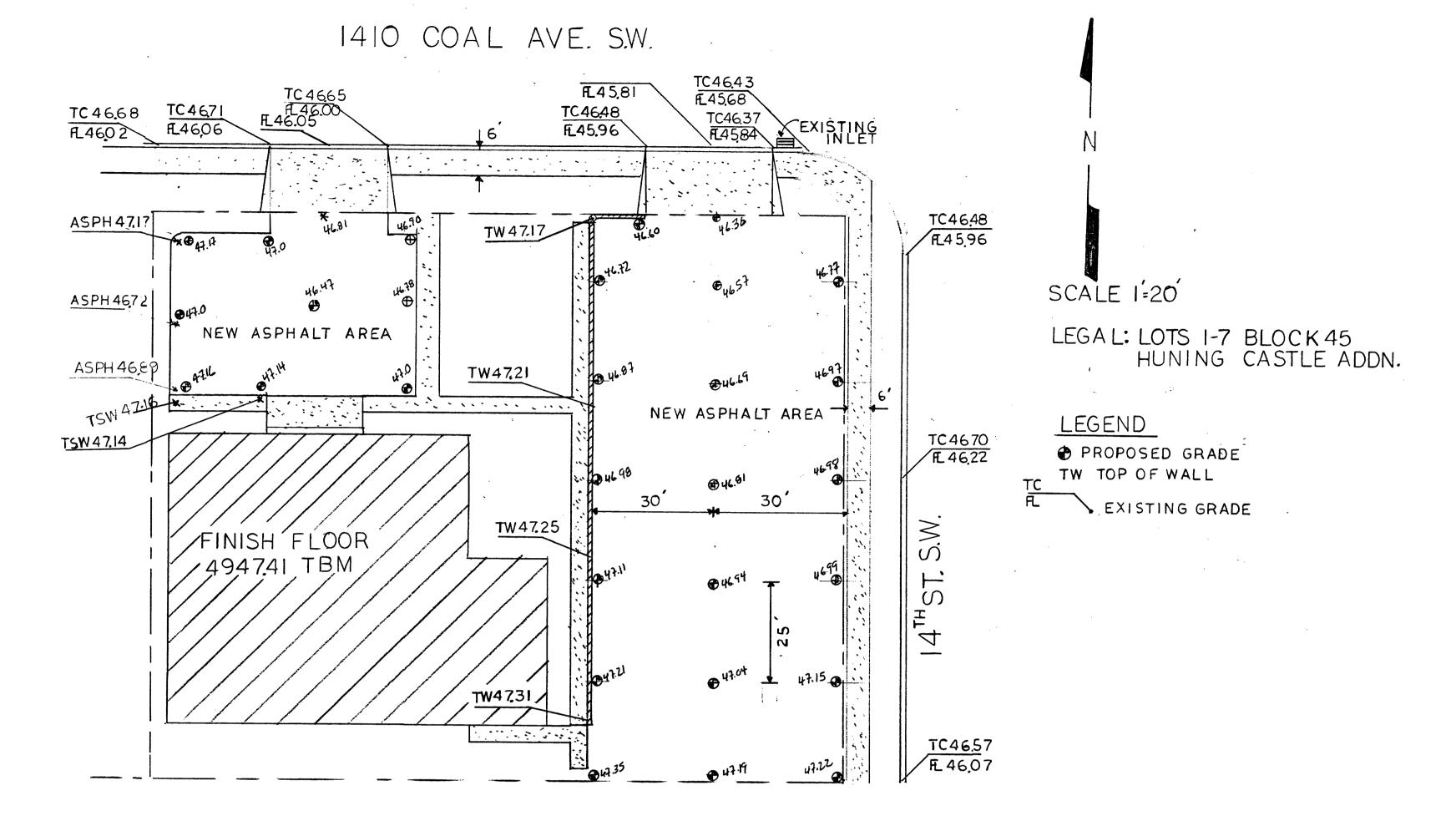
Q100 = (1.56)x(0.00)+(2.28)x(0.00)+(3.14)x(0.02)+(4.70)x(0.54)=2.60PROPOSED EXCESS PRECIPITATION:

Weighted E = (0.53)x(0.00)+(0.78)x(0.00)+(0.78)x(0.00)+(0.02)+(0.02)+(0.02)+(0.054)/0.56= 2.08 in. V100-360 = (0.08)x(0.56)/0.56 | 12.0 = 0.097283 ac-ft = 4238 cf

V100-1440 = (0.10)+(0.54)x(2.75-2.35)/12 = 0.115283 ac-ft = 5022 cfV100-10day = (0.10)+(0.54)x(3.95-2.35)/12 = 0.169283 ac-ft = 7374 cf

PROPOSED PEAK DISCHARGE:

Q100 = (1.56)x(0.00)+(2.28)x(0.00)+(3.14)x(0.02)+(4.70)x(0.54)=2.60



EROSION CONTROL MEASURES

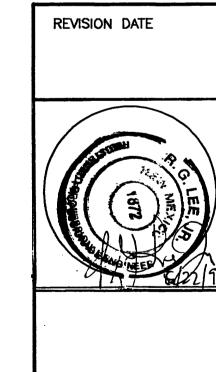
THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION; HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- 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 TO LEAVE THE SITE AND ENTER 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.

NOTE TO CONTRACTOR

- 1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY R/W. APPROVED COPY OF THIS PLAN MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR PERMIT.
- 2. ALL WORK DETAILED IN THIS PLAN TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1985.
- 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICES AT (505) 260-1990 FOR LOCATING EXISTING UTILITIES.
- 4. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL USE.
- 5. 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.





DATE

SHEET NUMBER