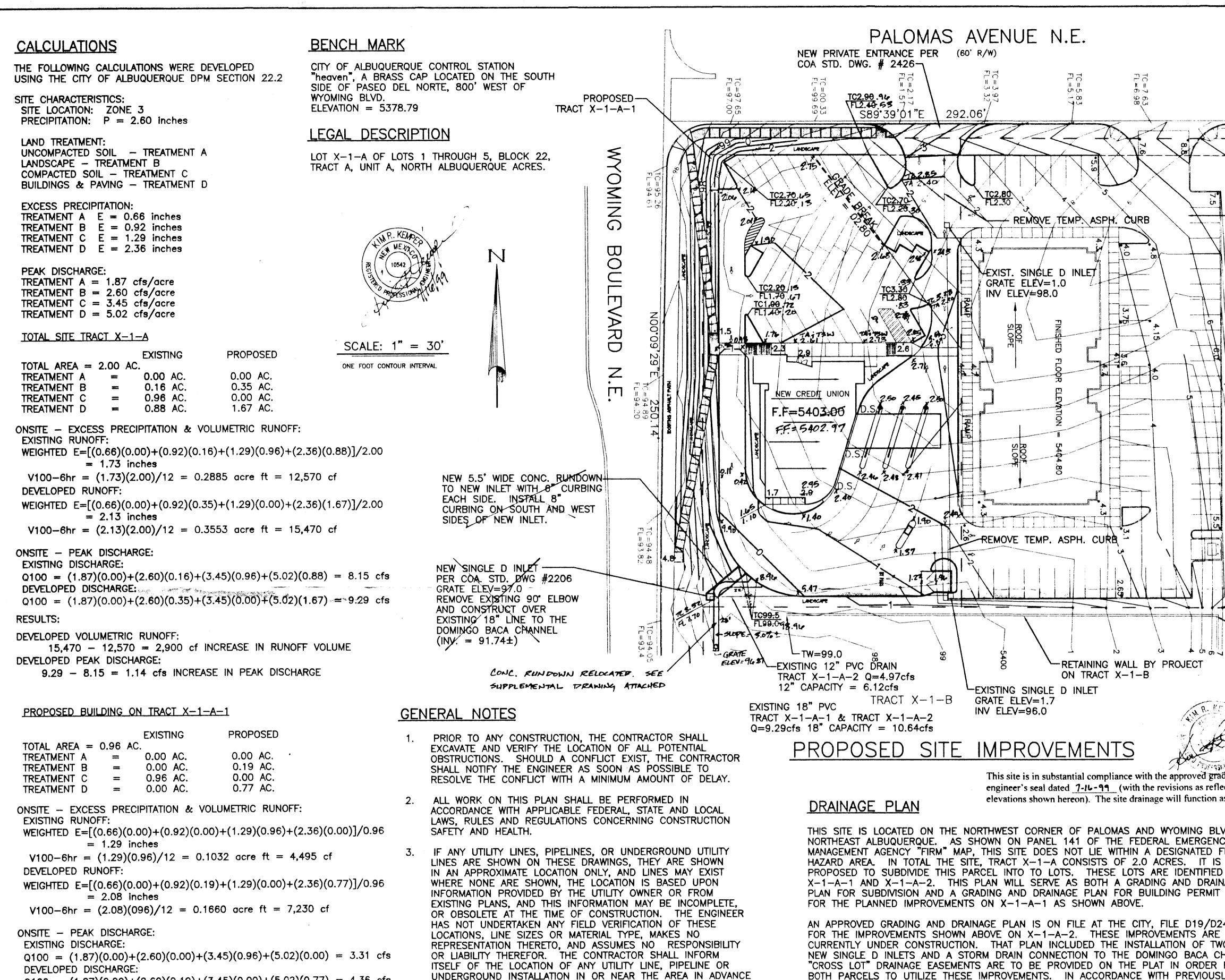


7018GD2.DWG - 1/11/99



This site is in substantial compliance with the approved grading and drainage plan with engineer's seal dated 7-16-99 (with the revisions as reflected in the record drawing elevations shown hereon). The site drainage will function as originally proposed.

PROPOSED

-TW = 407.0

TRACT X-1-A-2

THIS SITE IS LOCATED ON THE NORTHWEST CORNER OF PALOMAS AND WYOMING BLVD IN NORTHEAST ALBUQUERQUE. AS SHOWN ON PANEL 141 OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY "FIRM" MAP. THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD PROPOSED TO SUBDIVIDE THIS PARCEL INTO TO LOTS. THESE LOTS ARE IDENTIFIED AS X-1-A-1 AND X-1-A-2. THIS PLAN WILL SERVE AS BOTH A GRADING AND DRAINAGE

AN APPROVED GRADING AND DRAINAGE PLAN IS ON FILE AT THE CITY, FILE D19/D24, FOR THE IMPROVEMENTS SHOWN ABOVE ON X-1-A-2. THESE IMPROVEMENTS ARE CURRENTLY UNDER CONSTRUCTION. THAT PLAN INCLUDED THE INSTALLATION OF TWO NEW SINGLE D INLETS AND A STORM DRAIN CONNECTION TO THE DOMINGO BACA CHANNEL. "CROSS LOT" DRAINAGE EASEMENTS ARE TO BE PROVIDED ON THE PLAT IN ORDER FOR BOTH PARCELS TO UTILIZE THESE IMPROVEMENTS. IN ACCORDANCE WITH PREVIOUSLY APPROVED PLANS FOR THIS SITE. ALL STORM WATERS WILL BE CONVEYED TO THE DOMINGO BACA CHANNEL. ALL THE IMPROVEMENTS CURRENTLY UNDERWAY ON THE PROPOSED X-1-A-2 ARE IDENTIFIED AS "EXISTING" ON THIS PLAN. FURTHER, THE TOPOGRAPHY SHOWN INCLUDES THE EXISTING CONTOURS PRIOR TO AND CONSTRUCTION ACTIVITIES, THE PROPOSED CONTOURS AS SHOWN ON THE APPROVED PLAN FOR X-1-A-2, (FILE D19/D24) AND THE PROPOSED CONTOURS FOR THE PLANNED IMPROVEMENTS ON $\dot{X} - 1 - A - 1$.

TWO SETS OF CALCULATIONS ARE PROVIDED HEREON, ALL IN ACCORDANCE WITH THE CITY'S DPM SECTION 22.2. THE FIRST SET OF CALCULATIONS INCLUDE THE ENTIRE TRACT X-1-A. (INCLUSIVE OF BOTH PROPOSED LOTS). THE SECOND SET OF CALCULATIONS REFLECT BOTH EXISTING AND PROPOSED CONDITIONS ON X-1-A-1 WHERE THE SUBJECT IMPROVEMENTS ARE PROPOSED.

ALL THE SURVEY INFORMATION SHOWN WAS PROVIDED BY ENGINEERING AND SURVEYING ASSOCIATES, AND AS STATED ABOVE GRADING ON THIS SITE IS CURRENTLY UNDERWAY.

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GRADING AND DRAINAGE PLAN

KEMPER-VAUGHAN

CONSULTING ENGINEERS

3700 COORS RD. N.W. • ALBUQUERQUE, NEW MEXICO 87120 • (505) 831-4520

Date JULY 1999

Checked KRK

Jesigned KRK

PALOMAS G&D

Q100 = (1.87)(0.00) + (2.60)(0.19) + (3.45)(0.00) + (5.02)(0.77) = 4.36 cfs**RESULTS:**

DEVELOPED VOLUMETRIC RUNOFF:

7,230 - 4,495 = 2,735 cf INCREASE IN RUNOFF VOLUME DEVELOPED PEAK DISCHARGE:

4.36 - 3.31 = 1.05 cfs INCREASE IN PEAK DISCHARGE

TOTAL DISCHARGE FROM TRACT X-1-A-1 & X-1-A-2 = 9.29cfs CAPACITY OF EXISTING 18" SD = 10.67cfs TOTAL DISCHARGE FROM TRACT X-1-B = 13.4cfsTHEREFORE THE TOTAL FLOW TO THE DOMINGO BACA CHANNEL = 22.69cfs CAPACITY OF EXISTING 24° SD = 22.67cfs

THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHTS-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING.

THE LOCATION OF THESE LINES AND FACILITIES.

OF AND DURING ANY EXCAVATION WORK. THE CONTRACTOR IS

IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR

ORDINANCES. RULES AND REGULATIONS, IF ANY, PERTAINING TO

SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL

FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL

EXISTING UTILITIES. PIPELINES AND UNDERGROUND FACILITIES.

FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS

THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY THE CITY OF ALB. FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

