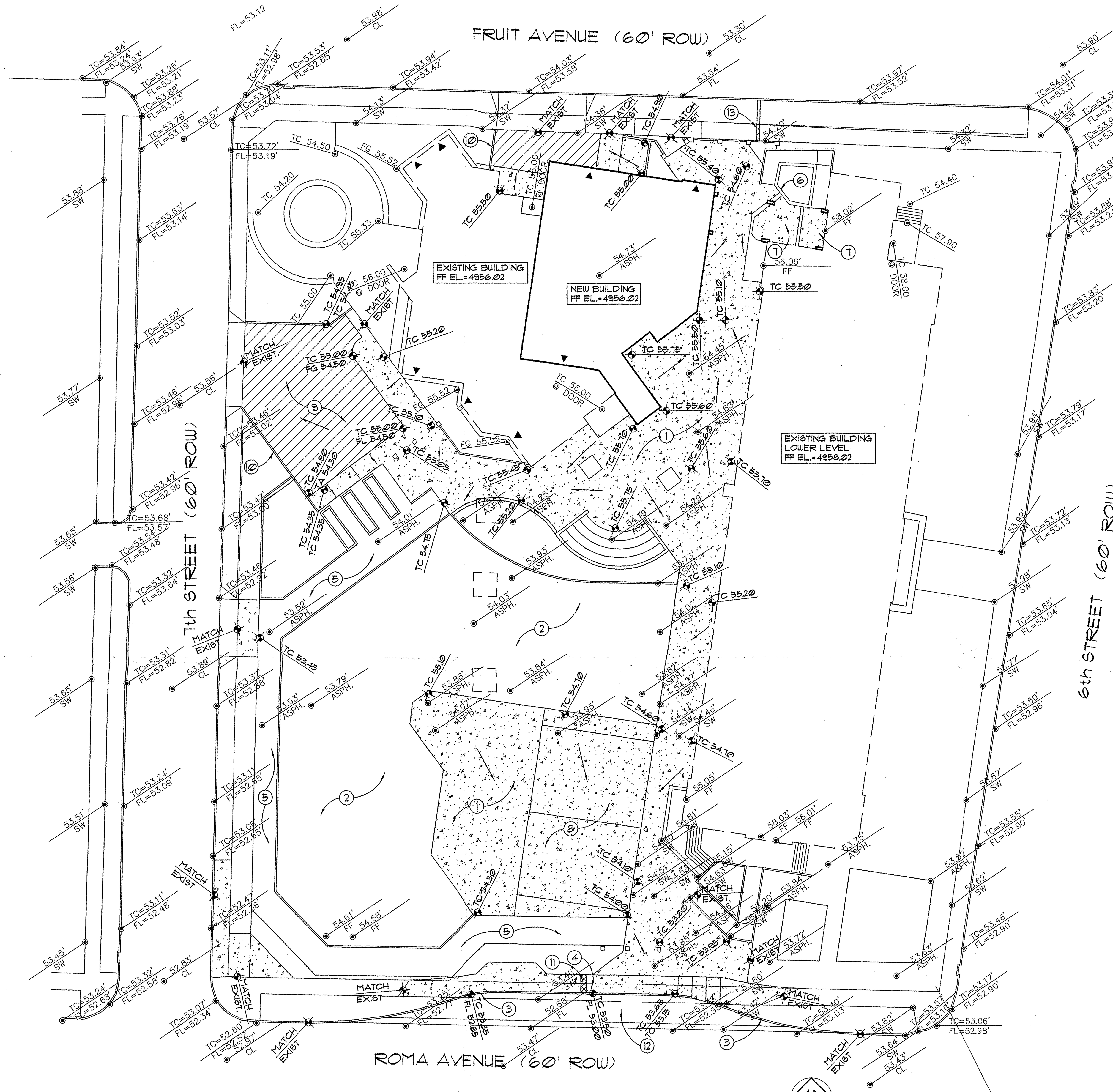


GRADING and DRAINAGE PLAN 1" = 20'

LEGAL DESCRIPTION

ALL OF BLOCK 13, PERFECTO ARMIJO AND BROTHERS ADDITION, AN ADDITION TO THE CITY OF ALBUQUERQUE AS SHOWN AND DESIGNATED ON THE PLAT OF WHICH WAS FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JULY 8, 1887 IN BOOK D, FOLIO 116, BEING A PORTION OF SECTION 17, TOWNSHIP 10 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, BERNALILLO COUNTY, NEW MEXICO.

PROJECT BENCHMARK

ALBUQUERQUE CONTROL STATION "4-J14" DATA: STANDARD ACS BRASS TABLET (FOUND IN PLACE) NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE) X=379597.81, Y=1487978.73, GROUND TO GRID FACTOR = 0.99967970, DELTA ALPHA = -00°13'53"

HYDROLOGY CALCULATIONS

ALBUQUERQUE, NM DPM (JANUARY, 1993) CRITERIA – SIMPLE PROCEDURE
PRECIPITATION ZONE 2 – PER DPM 22.2
100 – YR Design Storm (P) Depth (in)

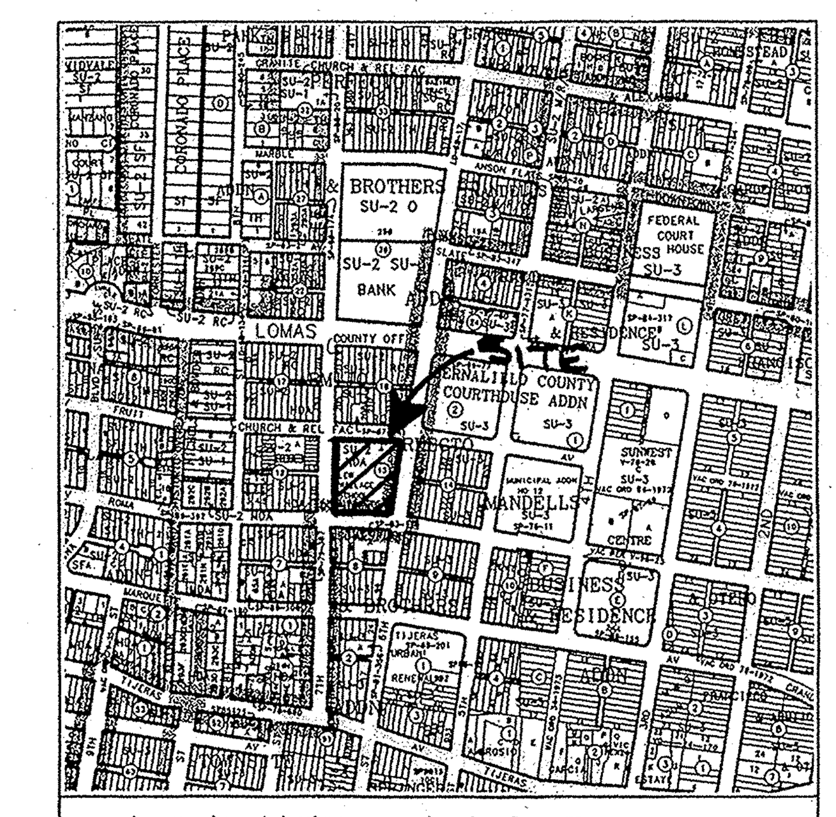
1hr	6hr	24hr	4day	10day
2.01	2.35	2.75	3.30	3.95

EXISTING CONDITIONS

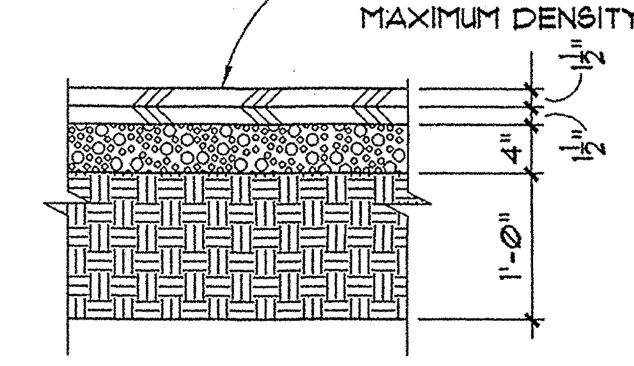
TREATMENT CLASS	AREA (ACRE)	AREA %	P6 (IN/AC)	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.00	0%	0.53	1.56	0.00	0	0	0	0
B	0.247	14%	0.78	2.28	0.56	699	699	699	699
C	0.194	11%	1.13	3.14	0.61	796	796	796	796
D	1.349	75%	2.12	4.70	6.34	10,381	12,340	15,033	18,216
TOTALS	1.790	100%			7.51	11,876	13,835	16,529	19,711

PROPOSED CONDITIONS

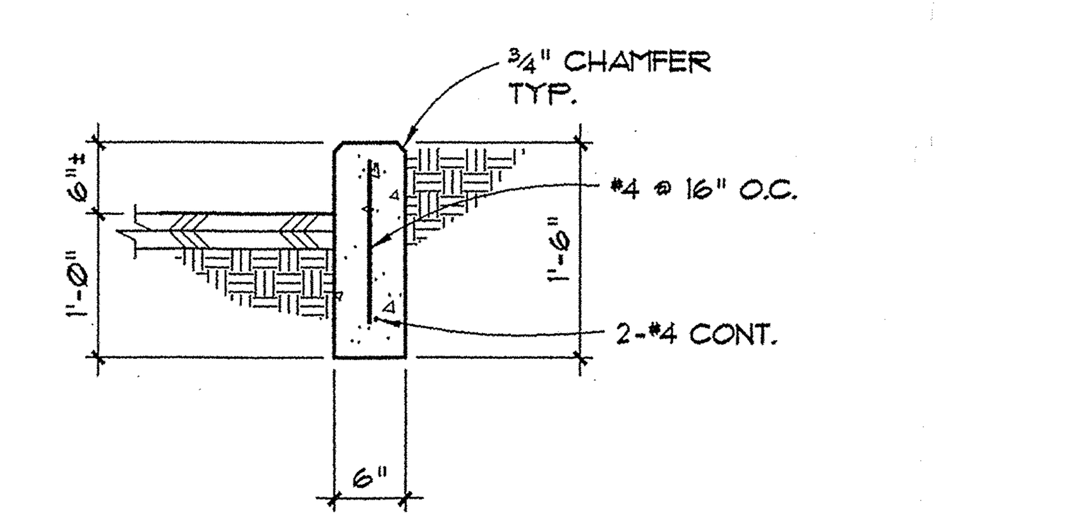
TREATMENT CLASS	AREA (ACRE)	AREA %	P6 (IN/AC)	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.00	0%	0.53	1.56	0.00	0	0	0	0
B	0.281	16%	0.78	2.28	0.64	796	796	796	796
C	0.078	4%	1.13	3.14	0.24	320	320	320	320
D	1.431	80%	2.12	4.70	6.73	11,012	13,090	15,947	19,324
TOTALS	1.790	100%			7.61	12,128	14,206	17,063	20,439



VICINITY MAP J-14-Z



1/C105 TYPICAL PARKING LOT PAVING SECTION N.T.S.



2/C105 SECTION @ TYPICAL HEADER CURB 3/4"=1'-0"

APPROVALS	NAME	DATE
INSPECTOR		
PERMIT NO.	MAP NO. J-14-Z	

LEGEND

- PROPERTY LINE
- 8030 PROPOSED SPOT ELEVATION
- 54.01' EXISTING SPOT ELEVATION
- FLOW DIRECTION ARROW
- SWALE DIRECTION
- FF FINISHED FLOOR
- FG FINISHED GRADE
- TC TOP OF CONCRETE
- FL FLOWLINE
- TA TOP OF ASPHALT
- TW TOP OF WALL
- NEW CONCRETE PAVING
- NEW ASPHALT PAVING
- ▲ ROOF DRAIN LOCATION

KEYED NOTES

1 NEW 4", 4000 PSI, CONCRETE PAVING REINFORCED WITH POLYPROPYLENE FIBERS OVER COMPACTED SUBGRADE - SEE C104 FOR JOINT PATTERN
2 SAND PLAY AREA
3 NEW CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING #2415
4 CONCRETE SIDEWALK PER CITY OF ALBUQUERQUE STANDARD DRAWING #2430
5 GRAVEL RUNNING PATH
6 EXISTING PLANTER WALL TO REMAIN
7 REMOVE AND REPLACE CONCRETE SIDEWALK AND STAIRS AS REQUIRED TO INSTALL NEW BUILDING FOOTINGS
8 NEW 5", 4000 PSI, AIR-ENTRAINED CONCRETE PAVING OVER SUBGRADE COMPACTED TO 95% OF MAXIMUM DENSITY. REINFORCE W/#4 @ 16" O.C. EACH WAY
9 A.C. PAVING PER 1/C105
10 CONCRETE CURB PER 2/C105
11 NEW 2'-0" WIDE SIDEWALK CULVERT PER CITY OF ALBUQUERQUE STANDARD DRAWING #2236
12 NEW BUS BAY WITH VALLEY GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING #2466
13 NEW 1'-0" WIDE SIDEWALK CULVERT PER CITY OF ALBUQUERQUE STANDARD DRAWING #2236

PUBLIC R.O.W. CONSTRUCTION NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PREFORMED UNDER THE CONTRACT SHALL, EXCEPT AS OTHERWISE STATED AND PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1988"
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING LINES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
4. BACK FILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE (ARTERIAL/COLLECTOR).
5. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
6. 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.

RECEIVED AUG 21 2003 HYDROLOGY SECTION

Walla ENGINEERING LTD
Structural Engineering
Civil Engineering
6100 Indian School Road NE • Suite 210
Albuquerque • New Mexico • 87110
881-3008 • Facsimile 884-5390

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11030

WRIGHT AND HAMMER ARCHITECTS
1735 ALISO DRIVE, N.E.
ALBUQUERQUE, N.M. 87110 505-266-6764

ALBUQUERQUE PUBLIC SCHOOLS
LEW WALLACE ELEMENTARY SCHOOL
PHASE 2
ADDITIONS & IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO

DATE: 15 MAY, 2003

REVISIONS:

SHEET C 105 OF