

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, 1891 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

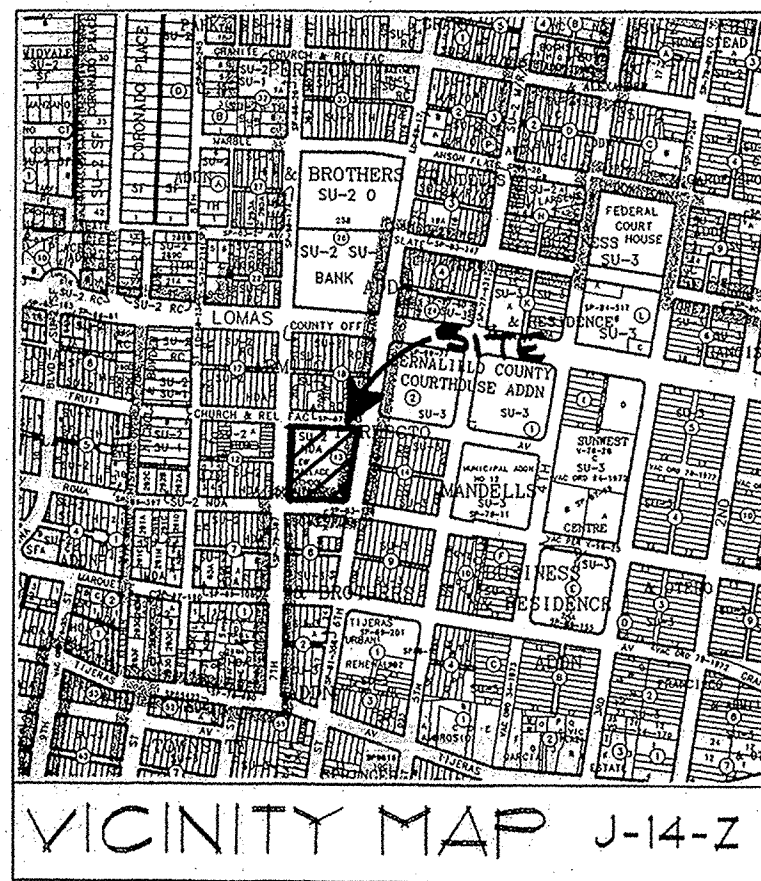
ALBUQUERQUE CONTROL STATION "4-J14" DATA: STANDARD ACS BRASS TABLET (FOUND IN PLACE) NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE) X=379591.81, Y=1487918.73, GROUND TO GRID FACTOR = 0.99967910, DELTA ALPHA = -00°13'53"

HYDROLOGY CALCULATIONS

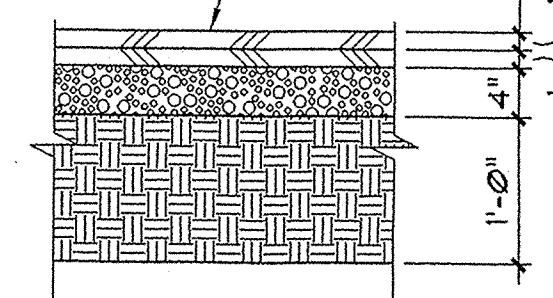
ALBUQUERQUE, NM DPM (JANUARY, 1993) CRITERIA - SIMPLE PROCEDURE
PRECIPITATION ZONE 2 - PER DPM 22.2
100 - YR Design Storm (P) Depth (in)
1hr 2.35 24hr 2.75 4day 3.30 10day 3.95

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	0
B	0.247	14%	0.78	2.28	0.56	699	699	699	699	699
C	0.194	11%	1.13	3.14	0.61	796	796	796	796	796
D	1.349	75%	2.12	4.70	6.34	10,381	12,340	15,033	18,216	18,216
TOTALS	1.790	100%			7.51	11,876	13,835	16,529	19,711	19,711

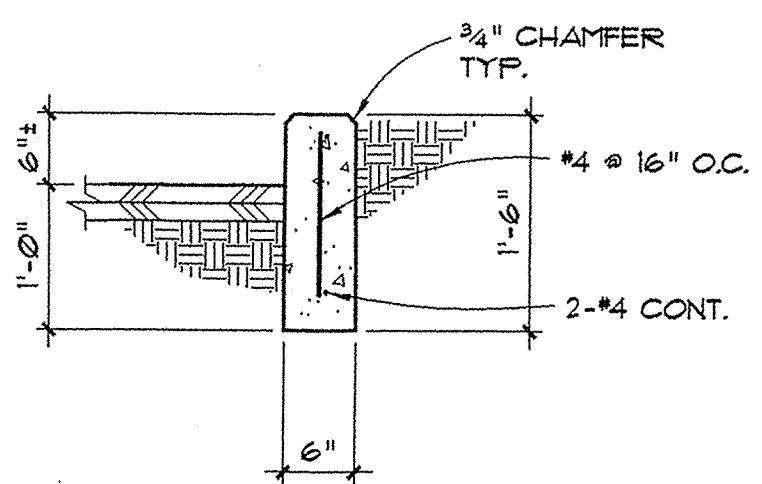
PROPOSED CONDITIONS	TREATMENT CLASS	AREA (ACRE)	AREA %	P6 (IN/AC)	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.00	0%	0.53	1.56	0.00	0	0	0	0	0
B	0.281	16%	0.78	2.28	0.64	796	796	796	796	796
C	0.078	4%	1.13	3.14	0.24	320	320	320	320	320
D	1.431	80%	2.12	4.70	6.73	11,012	13,090	15,947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



2 LIFTS 1 1/2" THICK 1820# STABILITY AC PAVING OVER TACK COAT OVER 4" TICK AGGREGATE BASE COURSE OVER 12" SCARIFIED SUBGRADE COMPACTED TO 95% OF MAXIMUM DENSITY



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



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

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

LEGEND

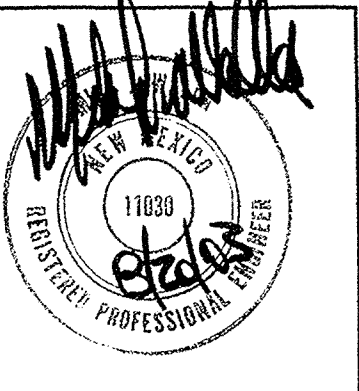
- PROPERTY LINE
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- FLOW DIRECTION ARROW
- SWALE DIRECTION
- FINISHED FLOOR
- FINISHED GRADE
- TOP OF CONCRETE
- FLOWLINE
- TOP OF ASPHALT
- TOP OF WALL
- NEW CONCRETE PAVING
- NEW ASPHALT PAVING
- ROOF DRAIN LOCATION
- AS-BUILT SPOT ELEVATION

KEYED NOTES

- NEW 4" 4000 PSI CONCRETE PAVING REINFORCED WITH POLYPROPYLENE FIBERS OVER COMPACTED SUBGRADE - SEE C104 FOR JOINT PATTERN
- SAND PLAY AREA
- NEW CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING #2415
- CONCRETE SIDEWALK PER CITY OF ALBUQUERQUE STANDARD DRAWING #2430
- GRAVEL RUNNING PATH
- EXISTING PLANTER WALL TO REMAIN
- REMOVE AND REPLACE CONCRETE SIDEWALK AND STAIRS AS REQUIRED TO INSTALL NEW BUILDING FOOTINGS
- NEW 5" 4000 PSI AIR-ENTRAINED CONCRETE PAVING OVER SUBGRADE COMPACTED TO 95% OF MAXIMUM DENSITY. REINFORCE W/4" #16" O.C. EACH WAY
- AC PAVING PER C105
- CONCRETE CURB PER 2/C105
- NEW 2'-0" WIDE SIDEWALK CULVERT PER CITY OF ALBUQUERQUE STANDARD DRAWING #2236
- NEW 6" DIA. VALLEY GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING #2405
- NEW 1'-0" WIDE SIDEWALK CULVERT PER CITY OF ALBUQUERQUE STANDARD DRAWING #2236

PUBLIC R.O.W. CONSTRUCTION NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED 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 1998"
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING LINES.
- 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.
- BACK FILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE (ARTERIAL/COLLECTOR).
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 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.



WRIGHT AND HAMMER
ARCHITECTS
1735 ALISO DRIVE, N.E.
ALBUQUERQUE, N.M. 87110 505-266-6164

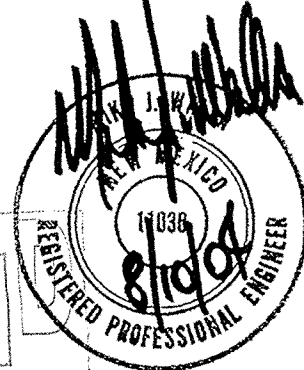
ALBUQUERQUE PUBLIC SCHOOLS
LEW WALLACE ELEMENTARY SCHOOL
PHASE 2
ADDITIONS & IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO

DATE:
15 MAY, 2003

REVISIONS:

SHEET
C
105
OF

I, MIKE WALLA NYPE 11030, OF THE FIRM WALLA ENGINEERING, LTD., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 8-20-03. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY JANSTAR. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 8-5-04 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATION OF OCCUPANCY.
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THE PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR AND OTHER PURPOSES.



DATE
8/19/04

Walla ENGINEERING LTD
Structural Engineering
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Albuquerque, New Mexico 87110
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