



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

3 May 1999

Dennis Lynn
Lynn Engineering & Surveying
02 Chaparral Lane
Peralta, New Mexico 87042

RE: ENGINEER'S CERTIFICATION FOR CENTRAL AVE. CARWASH (K11/D59).
CERTIFICATION DATED 4-9-99

Dear Mr. Lynn:

Based upon the information provided in your 4-9-99 Engineer's Certification submittal, the referenced project is approved for Certificate of Occupancy.

If I can be of further assistance, feel free to contact me at 768-2766.

Sincerely,

Scott Davis
PWD, Hydrology Division

c: Andrew Garcia
file

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Car Wash ZONE ATLAS/DRNG. FILE #: K-11/059

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: _____

CITY ADDRESS: 5930 CentralENGINEERING FIRM: Lynn Engineering & Surveying CONTACT: Dennis LynnADDRESS: 02 Chaparral Lane Peralta, NM 87042 PHONE: (505) 869-3548OWNER: Steve Padilla CONTACT: Steve PadillaADDRESS: 6413 Church Hills, W. Alb. NM 87105 PHONE: (505) 831-9680ARCHITECT: Visions Architecture CONTACT: Andrew BarelaADDRESS: P.O. Box 136 Chamberino, NM 88027 PHONE: (505) 882-6173SURVEYOR: Dennis Lynn Engineering & Surveying CONTACT: Dennis LynnADDRESS: 02 Chaparral Lane Peralta, NM 87042 PHONE: (505) 869-3548CONTRACTOR: Mimbela Const. CONTACT: George MimbelaADDRESS: 4411 Apollo El Paso Tx 79904 PHONE: (915) 751-2761

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☒ ENGINEER'S CERTIFICATION
☐ OTHER _____

PRE-DESIGN MEETING:

- ☒ YES
☐ NO
☐ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

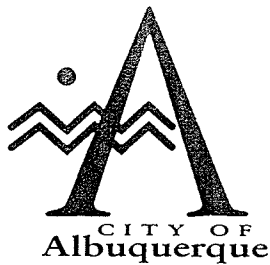
- ☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: 4/9/99

BY: _____

17-11

RECEIVE
 APR 09 1999
 HYDROLOGY SECTION



October 26, 1998

Dennis Lynn
Lynn Engineering & Surveying
02 Chaparral Lane
Peralta, New Mexico 87042

RE: DRAINAGE PLAN FOR CENTRAL AVENUE CAR WASH (K11-D59) ENGINEER'S
STAMP DATED 9/23/98

Dear Mr. Lynn:

Based on the information provided on your September 24, 1998 submittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, please be advised that a separate permit is required for construction within City R/W. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia
Arlene Portillo
File ✓

Sincerely

Bernie J. Montoya CE
Associate Engineer

Good for You, Albuquerque!



24 HOUR DEVELOPED SUMMARY

-(S16.66H

AHYMO SUMMARY TABLE (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
INPUT FILE = 98005d24.dat

RUN DATE (MON/DAY/YR) =09/23/1998
USER NO.= LYNNESNM.I01

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1	NOTATION
*S	DEVELOPED SITE WEST CENTRAL CAR WASH										
*S	100-YEAR 24 HOUR RAINFALL										
START											TIME= .00
*S COMPUTE											
RAINFALL TYPE= 2											RAIN24= 2.660
*S ONSITE BASIN - A											
COMPUTE NM HYD	101.00	-	1	.00108	1.93	.112	1.94612	1.400	2.789 PER IMP=		73.18

24 HOUR UNDEVELOPED SUMMARY -(S16.66H

AHYMO SUMMARY TABLE (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
INPUT FILE = 98005U24.DAT

RUN DATE (MON/DAY/YR) =09/23/1998
USER NO.= LYNNESNM.I01

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1	NOTATION
*S	DEVELOPED SITE WEST CENTRAL CAR WASH										
*S	100-YEAR 24 HOUR RAINFALL										
START											TIME= .00
*S COMPUTE											
RAINFALL TYPE= 2											RAIN24= 2.660
*S ONSITE BASIN - A											
COMPUTE NM HYD	101.00	-	1	.00108	1.33	.056	.96756	1.400	1.928 PER IMP=		.00

6 HOUR DEVELOPED SUMMARY

AHYMO SUMMARY TABLE (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
INPUT FILE = 98005DV6.DAT

RUN DATE (MON/DAY/YR) =09/23/1998
USER NO.= LYNNESNM.I01

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1	NOTATION
*S	DEVELOPED SITE WEST CENTRAL CAR WASH										
*S	100-YEAR 6 HOUR RAINFALL										
START											TIME= .00
*S COMPUTE											
RAINFALL TYPE= 1											RAIN6= 2.200
*S ONSITE BASIN - A											
COMPUTE NM HYD	101.00	-	1	.00108	1.93	.093	1.60956	1.400	2.789 PER IMP=		73.18

24 HOUR DEVELOPED INPUT DATA*

DEVELOPED SITE WEST CENTRAL CAR WASH

*S 100-YEAR 24 HOUR RAINFALL
START TIME=0.0 PUNCH CODE=0 PRINT LINE=-1
*S COMPUTE
RAINFALL TYPE=2 RAIN QUARTER=0 RAIN ONE=1.87
RAIN SIX=2.20 RAIN DAY=2.66 DT=0.200
*S ONSITE BASIN - A
COMPUTE NM HYD ID=1 HYD NO= 101.0 DA=0.00107897 SQ MI
PER A=0.001 PER B=26.818 PER C=0.001
PER D=73.18 TP=0.13334 RAIN=-1
PRINT HYD ID=1 CODE=0

24 HOUR DEVELOPED OUTPUT DATA

AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
RUN DATE (MON/DAY/YR) = 09/23/1998
START TIME (HR:MIN:SEC) = 08:34:44 USER NO.= LYNNESNM.I01
INPUT FILE = 98005d24.dat

*S DEVELOPED SITE WEST CENTRAL CAR WASH
*S 100-YEAR 24 HOUR RAINFALL
START TIME=0.0 PUNCH CODE=0 PRINT LINE=-1
*S COMPUTE
RAINFALL TYPE=2 RAIN QUARTER=0 RAIN ONE=1.87
RAIN SIX=2.20 RAIN DAY=2.66 DT=0.200

COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.

DT =	.200000 HOURS	END TIME =	24.000000 HOURS
.0000	.0103	.0222	.0362
.0790	1.5109	1.7648	1.9458
2.0420	2.0580	2.0724	2.0855
2.1293	2.1386	2.1475	2.1560
2.1864	2.1933	2.2000	2.2078
2.2379	2.2452	2.2524	2.2595
2.2870	2.2937	2.3002	2.3068
2.3321	2.3383	2.3444	2.3504
2.3739	2.3796	2.3853	2.3909
2.4128	2.4182	2.4235	2.4287
2.4493	2.4543	2.4593	2.4643
2.4837	2.4884	2.4931	2.4978
2.5161	2.5206	2.5251	2.5295
2.5469	2.5512	2.5554	2.5596
2.5762	2.5803	2.5843	2.5883
			2.5923
			2.5963
			2.6002

Handwritten signature
Sheets 1-3
9/23/98



2.6041 2.6080 2.6119 2.6157 2.6195 2.6233 2.6271
2.6309 2.6346 2.6383 2.6419 2.6456 2.6492 2.6528
2.6564 2.6600

*S ONSITE BASIN - A

COMPUTE NM HYD ID=1 HYD NO= 101.0 DA=0.00107897 SQ MI
PER A=0.001 PER B=26.818 PER C=0.001
PER D=73.18 TP=0.13334 RAIN=-1

K = .072670HR TP = .133340HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 3.1164 CFS UNIT VOLUME = .8260 B = 526.28 P60 = 1.8700
AREA = .000790 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .200000

K = .131032HR TP = .133340HR K/TP RATIO = .982687 SHAPE CONSTANT, N = 3.593445
UNIT PEAK = .70986 CFS UNIT VOLUME = .8476 B = 327.09 P60 = 1.8700
AREA = .000289 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .200000

PRINT HYD ID=1 CODE=0

PARTIAL HYDROGRAPH 101.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	5.000	.0	10.000	.0	15.000	.0	20.000	.0
.200	.0	5.200	.0	10.200	.0	15.200	.0	20.200	.0
.400	.0	5.400	.0	10.400	.0	15.400	.0	20.400	.0
.600	.0	5.600	.0	10.600	.0	15.600	.0	20.600	.0
.800	.0	5.800	.0	10.800	.0	15.800	.0	20.800	.0
1.000	.0	6.000	.0	11.000	.0	16.000	.0	21.000	.0
1.200	.2	6.200	.0	11.200	.0	16.200	.0	21.200	.0
1.400	1.9	6.400	.0	11.400	.0	16.400	.0	21.400	.0
1.600	1.6	6.600	.0	11.600	.0	16.600	.0	21.600	.0
1.800	.8	6.800	.0	11.800	.0	16.800	.0	21.800	.0
2.000	.5	7.000	.0	12.000	.0	17.000	.0	22.000	.0
2.200	.2	7.200	.0	12.200	.0	17.200	.0	22.200	.0
2.400	.1	7.400	.0	12.400	.0	17.400	.0	22.400	.0
2.600	.1	7.600	.0	12.600	.0	17.600	.0	22.600	.0
2.800	.0	7.800	.0	12.800	.0	17.800	.0	22.800	.0
3.000	.0	8.000	.0	13.000	.0	18.000	.0	23.000	.0
3.200	.0	8.200	.0	13.200	.0	18.200	.0	23.200	.0
3.400	.0	8.400	.0	13.400	.0	18.400	.0	23.400	.0
3.600	.0	8.600	.0	13.600	.0	18.600	.0	23.600	.0
3.800	.0	8.800	.0	13.800	.0	18.800	.0	23.800	.0
4.000	.0	9.000	.0	14.000	.0	19.000	.0	24.000	.0
4.200	.0	9.200	.0	14.200	.0	19.200	.0	24.200	.0
4.400	.0	9.400	.0	14.400	.0	19.400	.0		
4.600	.0	9.600	.0	14.600	.0	19.600	.0		
4.800	.0	9.800	.0	14.800	.0	19.800	.0		

RUNOFF VOLUME = 1.94612 INCHES = .1120 ACRE-Feet
PEAK DISCHARGE RATE = 1.93 CFS AT 1.400 HOURS BASIN AREA = .0011 SQ. MI.

24 HOUR UNDEVELOPED INPUT DATA

*S UNDEVELOPED SITE WEST CENTRAL CAR WASH
*S 100-YEAR 24 HOUR RAINFALL
START TIME=0.0 PUNCH CODE=0 PRINT LINE=-1
*S COMPUTE
RAINFALL TYPE=2 RAIN QUARTER=0 RAIN ONE=1.87
RAIN SIX=2.20 RAIN DAY=2.66 DT=0.200

*S ONSITE BASIN - A

COMPUTE NM HYD ID=1 HYD NO= 101.0 DA=0.00107897 SQ MI
PER A=0.001 PER B=0.001 PER C=99.997
PER D=0.001 TP=0.13334 RAIN=-1
PRINT HYD ID=1 CODE=0

24 HOUR UNDEVELOPED OUTPUT DATA

AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
RUN DATE (MON/DAY/YR) = 09/23/1998
START TIME (HR:MIN:SEC) = 08:57:01 USER NO. = LYNNESEN.101
INPUT FILE = 98005024.DAT

*S UNDEVELOPED SITE WEST CENTRAL CAR WASH
*S 100-YEAR 24 HOUR RAINFALL
START TIME=0.0 PUNCH CODE=0 PRINT LINE=-1
*S COMPUTE
RAINFALL TYPE=2 RAIN QUARTER=0 RAIN ONE=1.87
RAIN SIX=2.20 RAIN DAY=2.66 DT=0.200

COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
DT = .200000 HOURS END TIME = 24.000000 HOURS
.0000 .0103 .0222 .0362 .0534 .0758 .1773
.9790 1.5109 1.7648 1.9458 1.9780 2.0031 2.0240
2.0420 2.0580 2.0724 2.0855 2.0976 2.1088 2.1193
2.1293 2.1386 2.1475 2.1560 2.1641 2.1718 2.1793
2.1864 2.1933 2.2000 2.2078 2.2155 2.2231 2.2305
2.2379 2.2452 2.2524 2.2595 2.2665 2.2734 2.2802
2.2870 2.2937 2.3002 2.3068 2.3132 2.3196 2.3259

2.3321	2.3383	2.3444	2.3504	2.3563	2.3622	2.3681
2.3739	2.3796	2.3853	2.3909	2.3965	2.4020	2.4074
2.4128	2.4182	2.4235	2.4287	2.4340	2.4391	2.4442
2.4493	2.4543	2.4593	2.4643	2.4692	2.4740	2.4789
2.4837	2.4884	2.4931	2.4978	2.5024	2.5070	2.5116
2.5161	2.5206	2.5251	2.5295	2.5339	2.5383	2.5426
2.5469	2.5512	2.5554	2.5596	2.5638	2.5680	2.5721
2.5762	2.5803	2.5843	2.5883	2.5923	2.5963	2.6002
2.6041	2.6080	2.6119	2.6157	2.6195	2.6233	2.6271
2.6308	2.6346	2.6383	2.6419	2.6456	2.6492	2.6528
2.6564	2.6600					

*S ONSITE BASIN - A

COMPUTE NM HYD ID=1 HYD NO= 101.0 DA=0.00107897 SQ MI
 PER A=0.001 PER B=0.001 PER C=99.997
 PER D=0.001 TP=0.13334 RAIN=-1

K = .072670HR TP = .133340HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = .42586E-04CFS UNIT VOLUME = .7729 B = 526.28 P60 = 1.8700
 AREA = .000000 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .200000

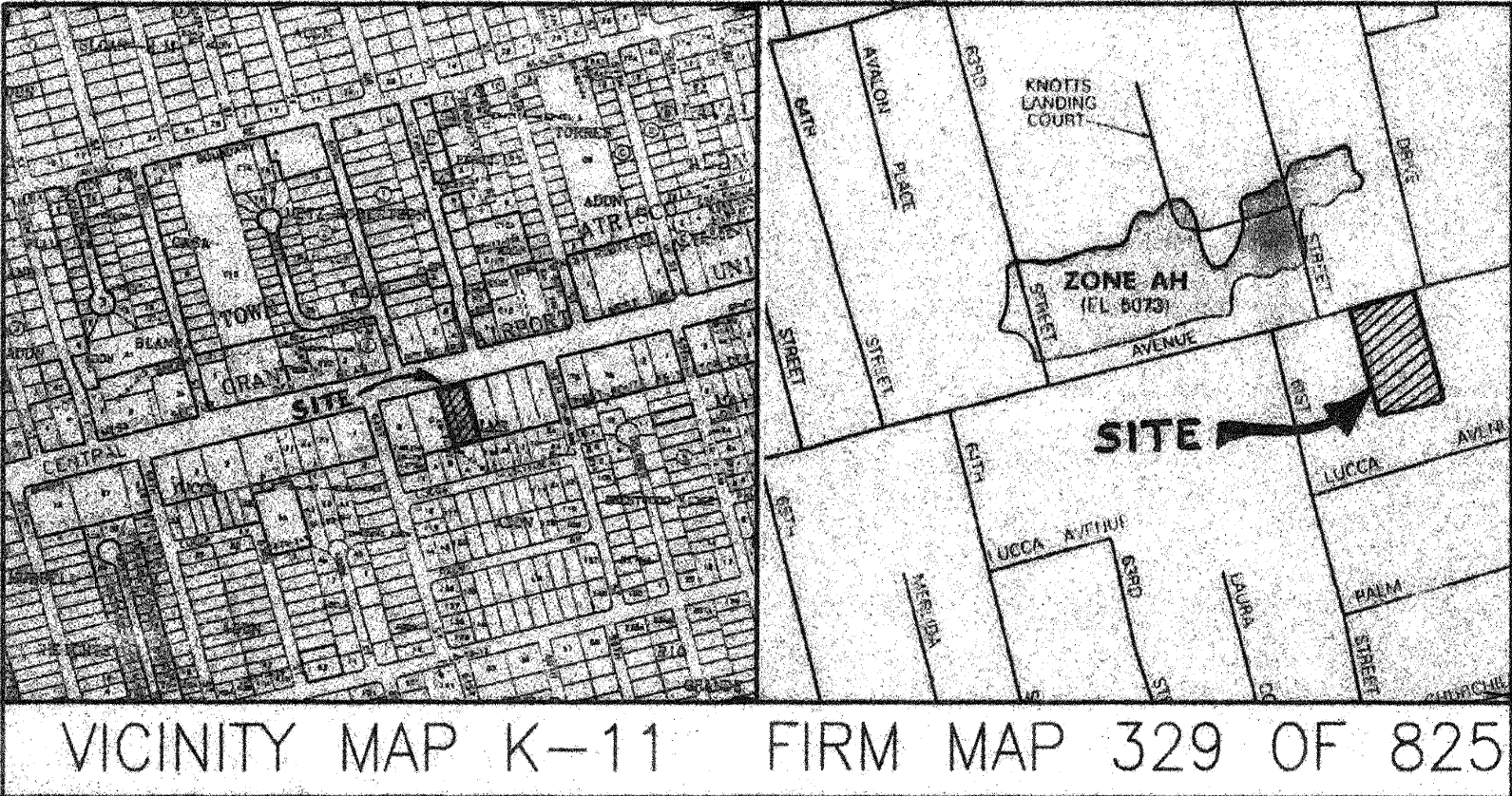
K = .105899HR TP = .133340HR K/TP RATIO = .794206 SHAPE CONSTANT, N = 4.514824
 UNIT PEAK = 3.1407 CFS UNIT VOLUME = .8440 B = 388.14 P60 = 1.8700
 AREA = .001079 SQ MI IA = .35000 INCHES INF = .83001 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .200000

PRINT HYD ID=1 CODE=0

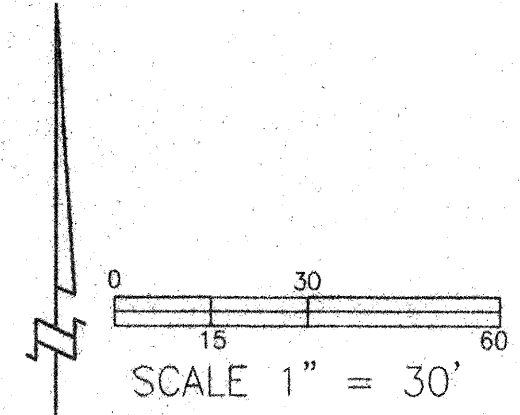
PARTIAL HYDROGRAPH 101.00

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	.000	.0	1.600	1.2	2.400	.0		
.200	.0	1.000	.0	1.800	.5	2.600	.0		
.400	.0	1.200	.0	2.000	.2	2.800	.0		
.600	.0	1.400	1.3	2.200	.1	3.000	.0		

RUNOFF VOLUME = .96756 INCHES = .0557 ACRE-FEET
 PEAK DISCHARGE RATE = 1.33 CFS AT 1.400 HOURS BASIN AREA = .0011 SQ. MI.



APPROVALS	NAME	DATE
A.C.E./DESIGN		
INSPECTOR		
A.C.E./FIELD		



NOTE: THE SITE TOPOGRAPHY IS BASED ON NGVD 1929 DATUM, ACS MONUMENT NM448-C1, ELEVATION 5074.028.

BENCH MARK
ACS NM448-C1
5074.028

AS-BUILT GRADING & DRAINAGE PLAN PALMS ADDITION PORTIONS OF LOTS 2 & 3 ALBUQUERQUE, NEW MEXICO SEPTEMBER 1998

DRAINAGE PLAN EXISTING

THE 0.6905 ACRE SITE IS LOCATED ON THE SOUTH SIDE OF CENTRAL AVE BETWEEN 59TH AND 61ST STREETS, IN ALBUQUERQUE, NEW MEXICO. THE PROPERTY IS CURRENTLY VACANT. THE SITE DRAINAGE IS FROM NORTH TO THE SOUTH. ALL FLOWS ARE SHEET FLOWS. THIS PROPERTY DOES NOT ACCEPT OFF SITE FLOWS, THE PROPERTY CURRENTLY DISCHARGES FLOWS TO THE SOUTH THROUGH A RESIDENTIAL AREA AND THEN TO LUCCA AVENUE.

PROPOSED

A CAR WASH IS PROPOSED. ALL STORM RUNOFF WILL BE COLLECTED IN AN ON-SITE POND AND DISCHARGED BY PUMPING INTO CENTRAL AVE. THE SITE IS TREATED HEREIN AS ONE DRAINAGE BASIN. THE FLOOD INSURANCE RATE MAP (COMMUNITY PANEL 35001C0329 D DATED SEPTEMBER 20, 1996) INDICATES THAT THE PROPERTY IS IN ZONE X.

THE SITE WILL BE GRADED TO DRAIN TO A POND ON THE SOUTH SIDE. THE PROPOSED POND WILL DISCHARGE THE RUNOFF THROUGH A 2" PIPE INTO THE GUTTER AND THEREBY INTO EXISTING DROP INLETS IN CENTRAL AVE, WHILE TEMPORARILY RETAINING ANY EXCESS RUNOFF IN THE POND. THE ENTIRE SITE WILL BE PAVED OR LANDSCAPED. DRAINAGE VOLUME IS 4879 CU FT, 1.93 CFS BASED ON THE 100 YEAR 24 HOUR STORM.

CALCULATION INFORMATION

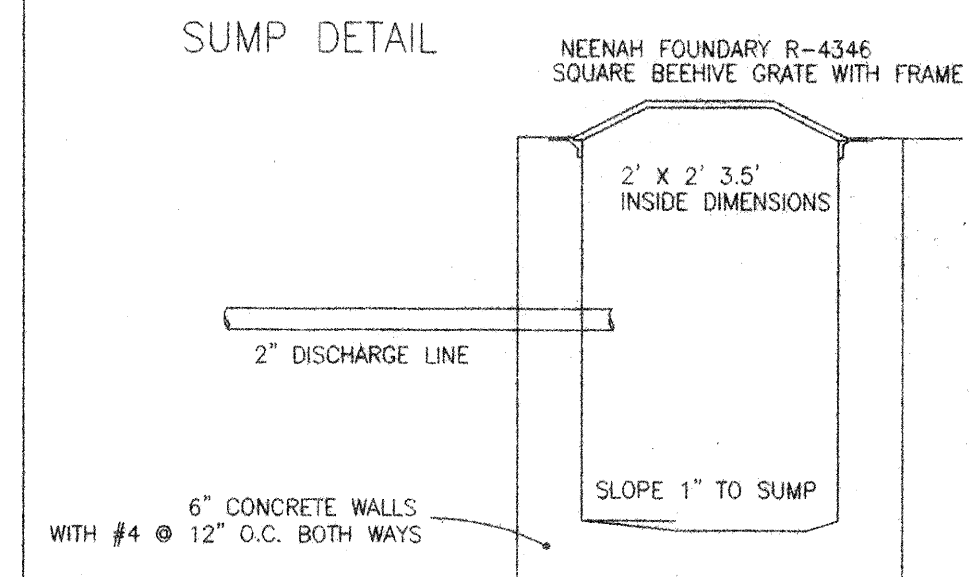
- THE DESIGN STORM USED FOR THESE CALCULATIONS IS BASED ON THE 100 YEAR 24 HOUR STORM, THE DATA IS OBTAINED FROM NOAA ATLAS 2, VOLUME IV, FIGURE 24. THE DEPTH OF RAINFALL IS 2.66" FOR THIS STORM.
- THE ARMO392 PROGRAM PROVIDED BY AMAFA WAS USED TO CALCULATE THE DATA (SEE ATTACHED EXHIBITS). THE INPUT DATA WAS DETERMINED IN ACCORDANCE WITH SECTION 22.2, HYDROLOGY OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM).

TO CALCULATIONS
LENGTH = 280 FEET
SLOPE = 0.0285714 FT/FT
CONVEYANCE - K FACTORS USED: 5% K=0.7; 95% K=1.0
TC CALCULATED = .04 HRS; TP = 0.1333 HOURS USING MINIMUM TC=2 HRS
DESIGN STORM 100 YEAR 6 HOUR 2.22"
DEVELOPED FACTORS USED ARE TREATMENT A 0%, B 26.82%, C 0%, D 73.18%

DEVELOPED SIZE	IMPERVIOUS %	P100YR24HR	VOL100	DISCHARGE PEAK CFS	AREA
0.69 AC	73.18%	2.66"	0.112 AC FT 4879 CF	1.93	0.00108 SQ MI

UNDEVELOPED SIZE	IMPERVIOUS %	P100YR24HR	VOL100	DISCHARGE PEAK CFS	AREA
0.69 AC	0%	2.66"	0.056 AC FT 2439 CF	1.33	0.00108 SQ MI

- NOTES:
- 18" WIDE RUNDOWN THROUGH HEADER CURB (SEE DETAIL).
 - A. MAXIMUM RUNOFF VOLUME 100YR24HR = 4879 CUFT = 0.0112 AC FT
B. MAXIMUM POND VOLUME @ 5067.00 = 5658 CUFT
 - PROJECT BM = BRASS CAP IN MEDIAN
ELEVATION = 5074.028 - ACS MONUMENT NM448-C1

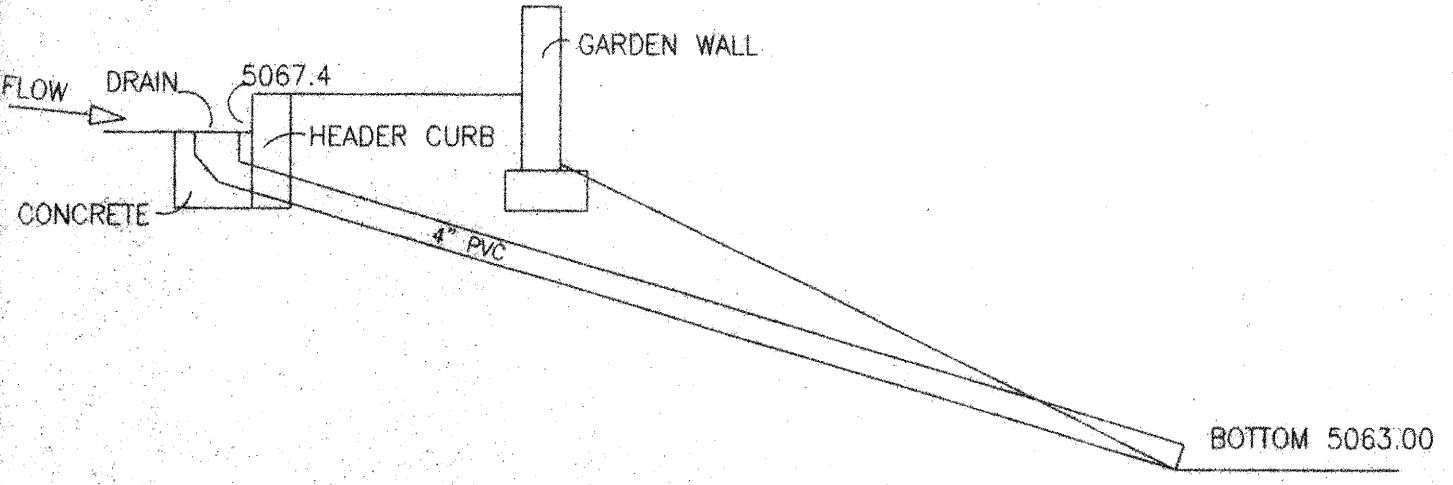


- NOTES:
- INSTALL CLEANOUTS AT 100' O.C. ON THE 2" PVC.
 - INSTALL 1/2 HP SUBMERSIBLE PUMP AT LOCATION SHOWN SEE DETAIL A. THE 2" PVC WILL HAVE A HEAD LOSS OF 5/100' OF PIPE AT 50 GPM. USE A SUITABLE 1/2 HP PUMP CAPABLE OF PROVIDING 50 GPM AT A TOTAL HEAD OF 20' (TEEL PUMP - GRANGER # OF 3P579 OR APPROVED EQUIVALENT).

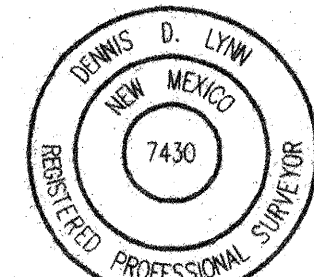
- NOTICE TO CONTRACTOR
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
 - ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, 1986.
 - TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
 - BACKFILL COMPACTION SHALL BE ACCORDING TO STREET USE.
 - MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

DRAIN @ HEADER CURB

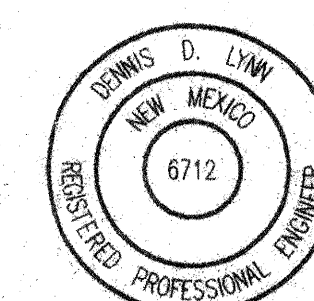
- A. INSTALL NEENAH R-3928 BRIDGE DRAIN FRAME & GRATE.
B. 4" PVC SCH 40 EXTENDS FROM FRAME TO POND BOTTOM.
C. POUR MONOLITHICALLY WITH HEADER CURB.
D. CONCRETE PAD EXTENDS 6" MIN PAST DRAIN ON SIDES AND BOTTOM.



LEGEND	
● = SET #5 REBAR W/CAP LS7430	○ = SANITARY SEWER MANHOLE
○ = FOUND #4 REBAR	○ = TELEPHONE SEWER MANHOLE
○ = FOUND #5 REBAR	□ = WATER METER
△ = FOUND BRASS CAP	○ = LIGHT POLE
□ = FOUND MONUMENT AS SHOWN	○ = UTILITY POLE
T = FOUND HIGHWAY T-RAIL	3349 = SPOT ELEVATION
--- = FENCE	46 = CONTOUR LINE



SURVEYORS CERTIFICATION
I, DENNIS D. LYNN, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS AS-BUILT SURVEY. THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND MAP MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.
Dennis D. Lynn, Surveyor #7430
DATE 04/09/99



ENGINEERS CERTIFICATION
I, DENNIS D. LYNN, A NEW MEXICO REGISTERED PROFESSIONAL ENGINEER CERTIFY THAT THE CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.
Dennis D. Lynn, Engineer #6712
DATE 04/09/99

LEGAL DESCRIPTION
PORTIONS OF LOTS 2 & 3 OF THE PALMS ADDITION, AS FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JULY 14, 1945.

LYNN ENGINEERING & SURVEYING, INC.
02 CHAPARREL LANE
PERALTA, NEW MEXICO 87042
(505) 869-3548