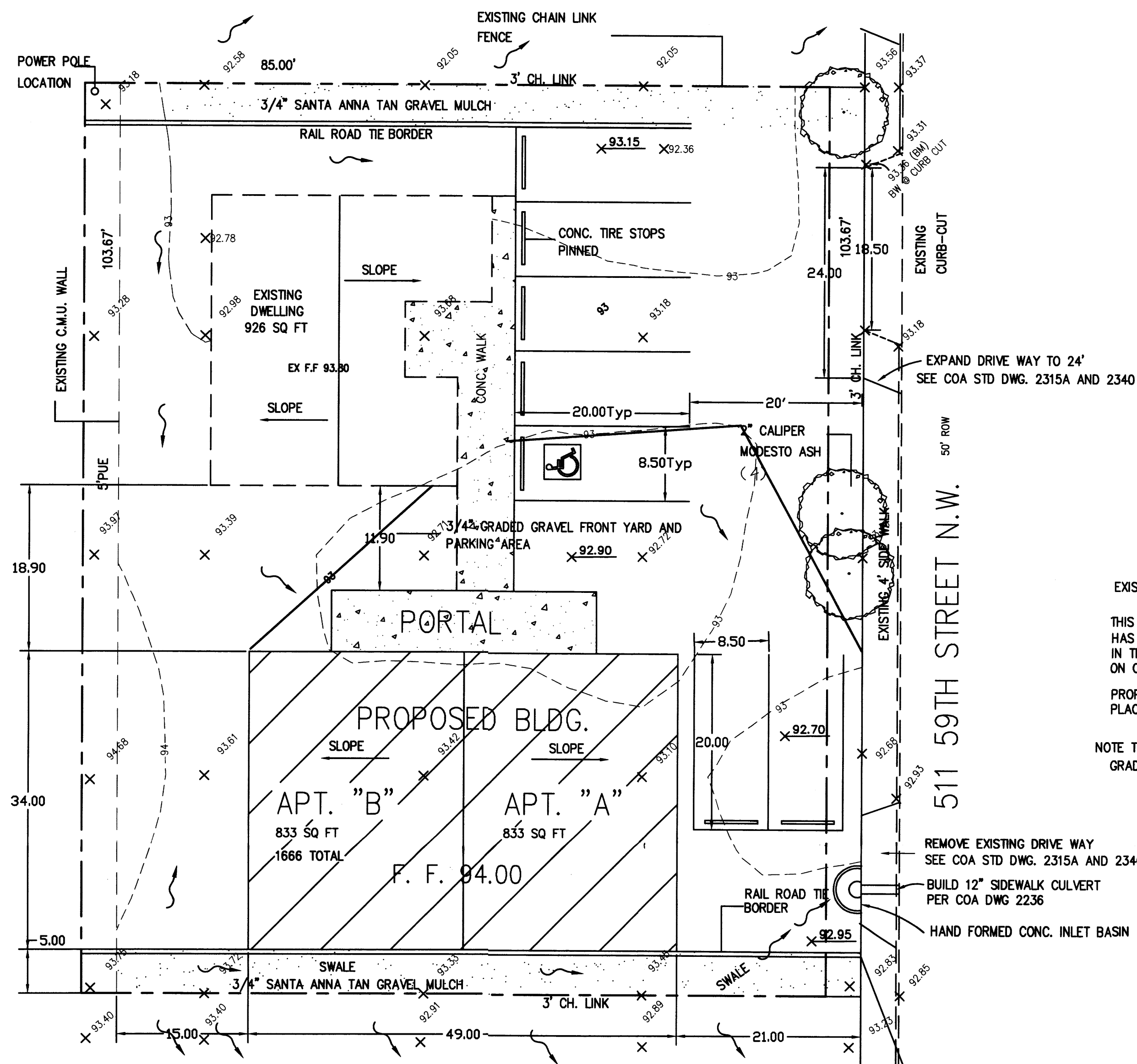




EXISTING CONDITIONS

THIS SITE DOES NOT LIE IN A FLOOD PLAIN. THE SITE SOIL IS FINE SAND THAT THE WIND HAS BLOWN FROM THE CENTER AND DEPOSITED IN THE CORNERS. THERE IS A CMU WALL IN THE REAR. THE SIDEWALK IS FOUR FEET WIDE AND THE FRONT FENCE MAY BE ON CITY PROPERTY.

PROPOSED
PLACE THE NEW BLDG. ABOVE ANY LOCAL FLOODING ELEVATION.

NOTE TO CONTRACTOR:
GRADE THE ENTIRE LOT TO DRAIN TO THE STREET.

START TIME=0.0 CODE 0 LINES 80
*S COMPUTE 100 YR. HYDROGRAPHS FOR 511 58TH STREET.
*S 511 58TH ST.TXT - HYMO PER JAN 1997 DPM REVISIONS
RAINFALL TYPE=-1 RAIN QUAR=0.0 RAIN ONE= 1.87
RAIN SIX= 2.4 RAIN DAY=2.8 DT=0.0333

*S BASIN 1: EXISTING
COMPUTE NM HYD ID=1 HYD NO= 101.1 DA=.0003 SQ MI
PER A=10 PER B=15 PER C=66 PER D=9 TP=-.13
RAIN=-1

PRINT HYD ID=1 CODE=10

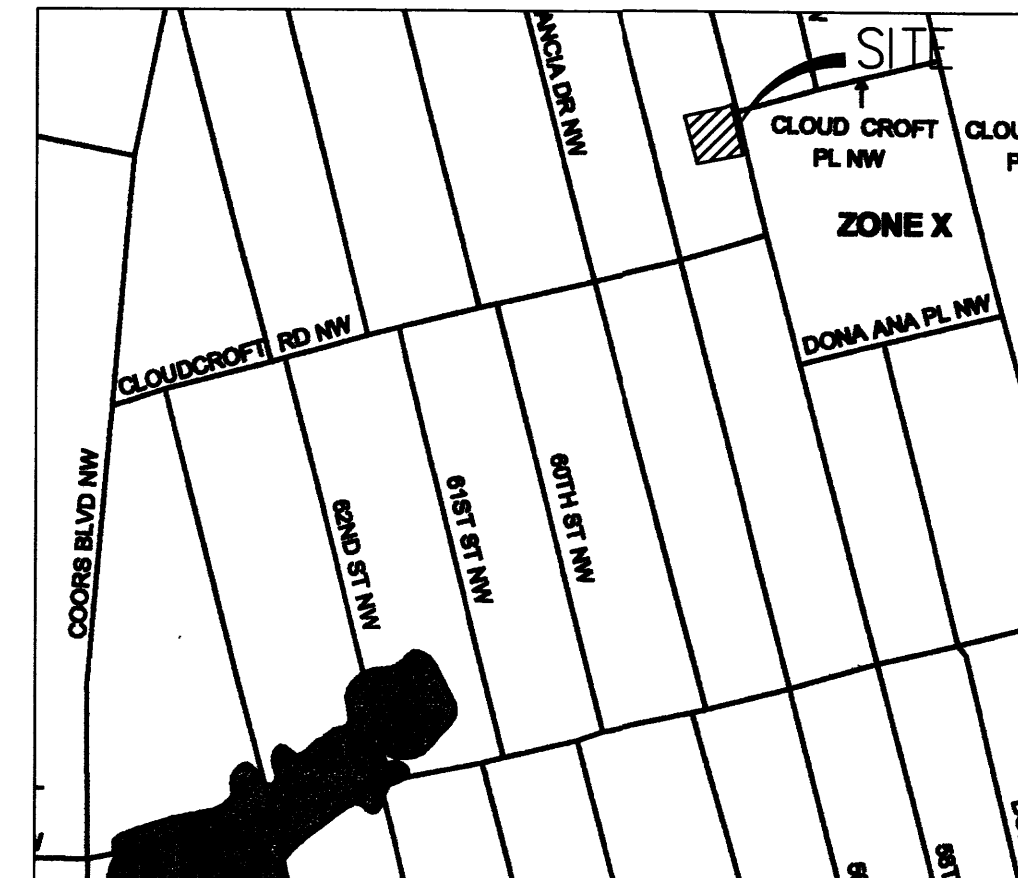
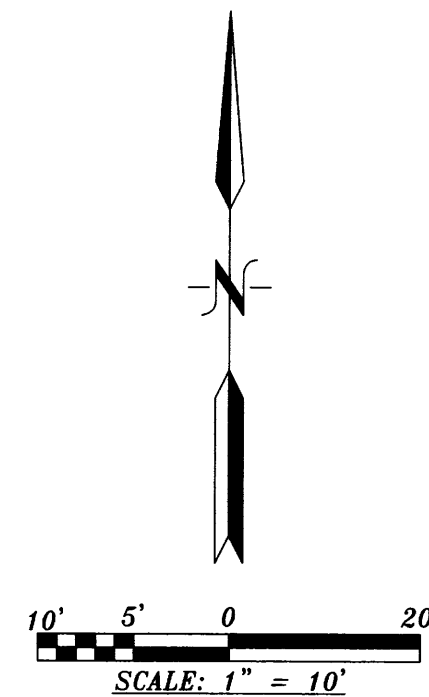
*S BASIN 2: PROPOSED
COMPUTE NM HYD ID=2 HYD NO= 102.1 DA=.0003 SQ MI
PER A=10 PER B=15 PER C=35 PER D=40 TP=-.13
RAIN=-1

PRINT HYD ID=2 CODE=10 *
FINISH

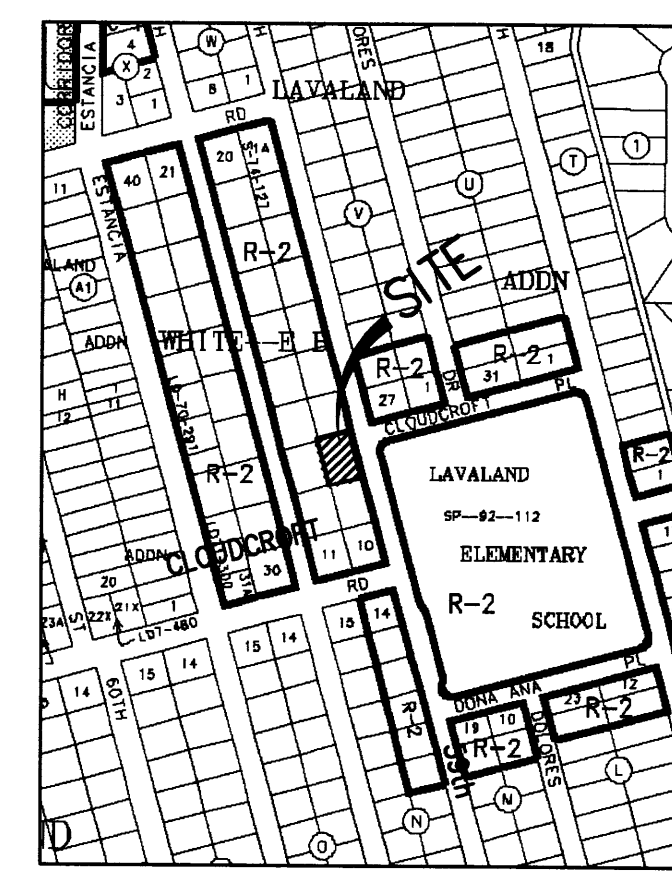
AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) -
INPUT FILE = E:\ahymo\511.TXT

- VERSION: 1997.02a RUN DATE (MON/DAY/YR) =03/07/2007
USER NO.= AHYMO-I-9702a0100007G-SH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM NO.	TO NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE	NOTATION
START										1	
*S	COMPUTE 100 YR. HYDROGRAPHS FOR 511 58TH STREET.										
*S	511 58TH ST.TXT - HYMO PER JAN 1997 DPM REVISIONS										
RAINFALL	TYPE= 1										
*S	BASIN 1: EXISTING										
COMPUTE NM HYD	101.10	-	1	.00030	.57	.017	1.03833	1.499	2.985 PER IMP=	9.00	
*S	BASIN 2: PROPOSED										
COMPUTE NM HYD	102.10	-	2	.00030	.65	.022	1.37724	1.499	3.406 PER IMP=	40.00	
FINISH											



FIRM MAP # 329



VICINITY MAP ZM J11

AHYMO PROGRAM (AHYMO_97) - Version: 1997.02a
RUN DATE (MON/DAY/YR) = 03/07/2007
START TIME (HR:MIN:SEC) = 23:38:46 USER NO.= AHYMO-I-9702a0100007G-SH
INPUT FILE = E:\ahymo\511.TXT

START TIME=0.0 CODE 0 LINES 80
*S COMPUTE 100 YR. HYDROGRAPHS FOR 511 58TH STREET.
*S 511 58TH ST.TXT - HYMO PER JAN 1997 DPM REVISIONS
RAINFALL TYPE=-1 RAIN QUAR=0.0 RAIN ONE= 1.87
RAIN SIX= 2.4 RAIN DAY=2.8 DT=0.0333

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
DT = .033300 HOURS END TIME = 5.994000 HOURS

*S BASIN 1: EXISTING
COMPUTE NM HYD ID=1 HYD NO= 101.1 DA=.0003 SQ MI
PER A=10 PER B=15 PER C=66 PER D=9 TP=-.13
RAIN=-1

K = .070850HR TP = .130000HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .10930 CFS UNIT VOLUME = .8923 B = 526.28 P60 = 1.8700
AREA = .000027 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

K = .113481HR TP = .130000HR K/TP RATIO = .872832 SHAPE CONSTANT, N = 4.068684
UNIT PEAK = .75542 CFS UNIT VOLUME = .9819 B = 358.72 P60 = 1.8700
AREA = .000273 SQ MI IA = .40769 INCHES INF = .99154 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=1 CODE=10

PARTIAL HYDROGRAPH 101.10

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	.666	.0	1.332	.1	1.998	.1
.333	.0	.999	.0	1.665	.3	2.331	.0

RUNOFF VOLUME = 1.03833 INCHES = .0166 ACRE-Feet
PEAK DISCHARGE RATE = .57 CFS AT 1.499 HOURS BASIN AREA = .0003 SQ. MI.

*S BASIN 2: PROPOSED
COMPUTE NM HYD ID=2 HYD NO= 102.1 DA=.0003 SQ MI
PER A=10 PER B=15 PER C=35 PER D=40 TP=-.13
RAIN=-1

K = .070850HR TP = .130000HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .48579 CFS UNIT VOLUME = .9775 B = 526.28 P60 = 1.8700
AREA = .000120 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=2 CODE=10 *

PARTIAL HYDROGRAPH 102.10

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.332	.1	2.664	.0	3.996	.0
.333	.0	1.665	.3	2.997	.0	4.329	.0
.666	.0	1.998	.1	3.330	.0	4.662	.0
.999	.0	2.331	.0	3.663	.0	4.995	.0

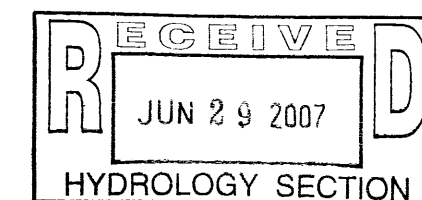
RUNOFF VOLUME = 1.37724 INCHES = .0220 ACRE-Feet
PEAK DISCHARGE RATE = .65 CFS AT 1.499 HOURS BASIN AREA = .0003 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 23:38:46

LEGEND

- TC 98.43 PROPOSED TOP OF CURB ELEVATION
- X 69.93 EXISTING SPOT ELEVATION
- X 09.0 PROPOSED SPOT ELEVATION (GRND & TC)
- TEMPORARY PAVING
- ===== PROPOSED CURB & GUTTER
- ===== EXISTING CURB AND GUTTER
- 69--- EXISTING CONTOUR W/ INDEX ELEVATION
- 71--- PROPOSED CONTOUR W/ INDEX ELEVATION
- ~ PROP FLOW ARROW
- 42" STORM DRAIN WITH MANHOLE & INLETS
- 30" SD PROPOSED STORM DRAIN
- PROPOSED STORM SEWER CATCH BASIN
- PROPOSED WATER BLOCK
- BASIN BOUNDARY
- SUB BASIN BOUNDARY
- PHASE LINE
- RETAINING WALL
- * TREE



LEGAL

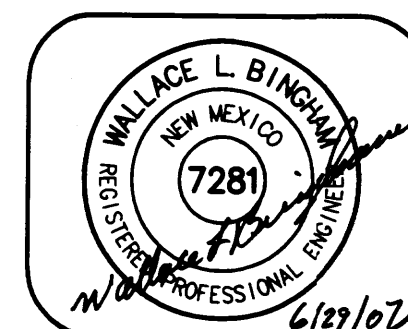
1"=10.00'

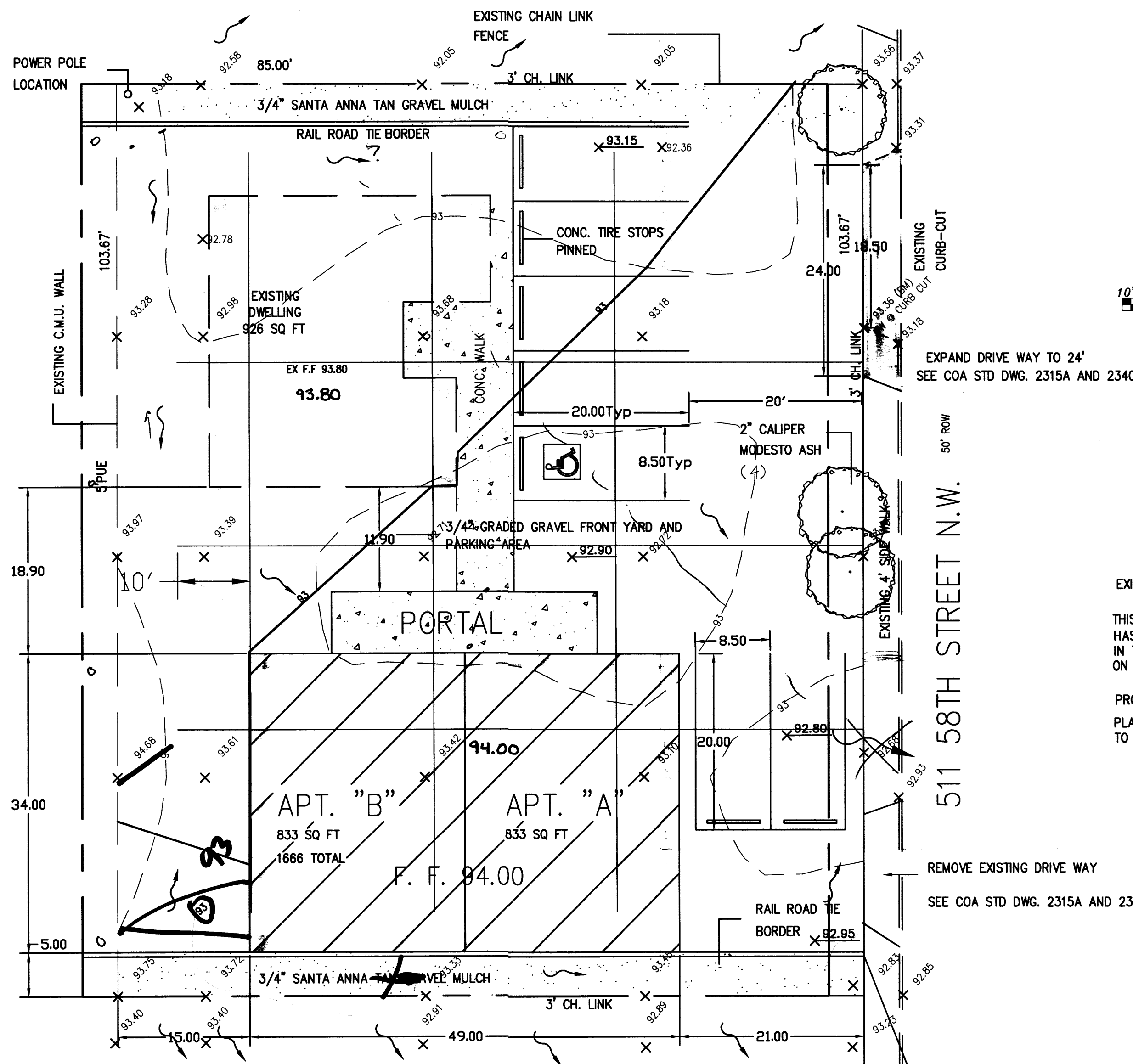
LOT-8 (TOTAL LOT AREA 8814.5 SQ FT)
E. B. WHITE ADDITION BERNALILLO COUNTY
ALBUQUERQUE, NUEVO MEXICO
ZONE: R-2

GRADING AND DRAINAGE PLAN

MILLIGAN DUPLEX
511 59th ST. NW

BINCHAM ENGINEERING
6344 Belcher NE
Albuquerque, New Mexico 87109
505 797 4699





EXISTING CONDITIONS

THIS SITE DOES NOT LIE IN A FLOOD PLAIN. THE SITE SOIL IS FINE SAND THAT THE WIND HAS BLOWN FROM THE CENTER AND DEPOSITED IN THE CORNERS. THERE IS A CMU WALL IN THE REAR. THE SIDE WALKS ARE FOUR FEET WIDE AND THE FRONT FENCE MAY BE ON CITY PROPERTY.

PROPOSED

PLACE THE NEW BLDG. ABOVE ANY LOCAL FLOODING ELEVATION AND GRADE THE ENTIRE LOT TO DRAIN TO THE STREET.

511 58TH STREET N.W.

START TIME=0.0 CODE 0 LINES 80
 *S COMPUTE 100 YR. HYDROGRAPHS FOR 511 58TH STREET.
 *S 511 58TH ST.TXT - HYMO PER JAN 1997 DPM REVISIONS
 RAINFALL TYPE=-1 RAIN QUAR=0.0 RAIN ONE= 1.87
 RAIN SIX= 2.4 RAIN DAY=2.8 DT=0.0333

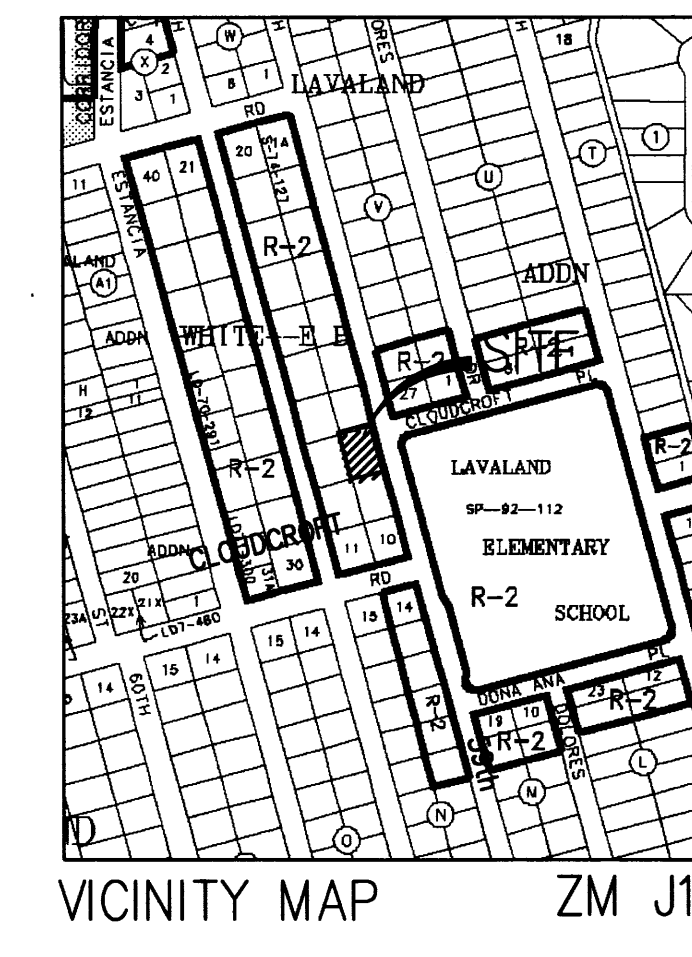
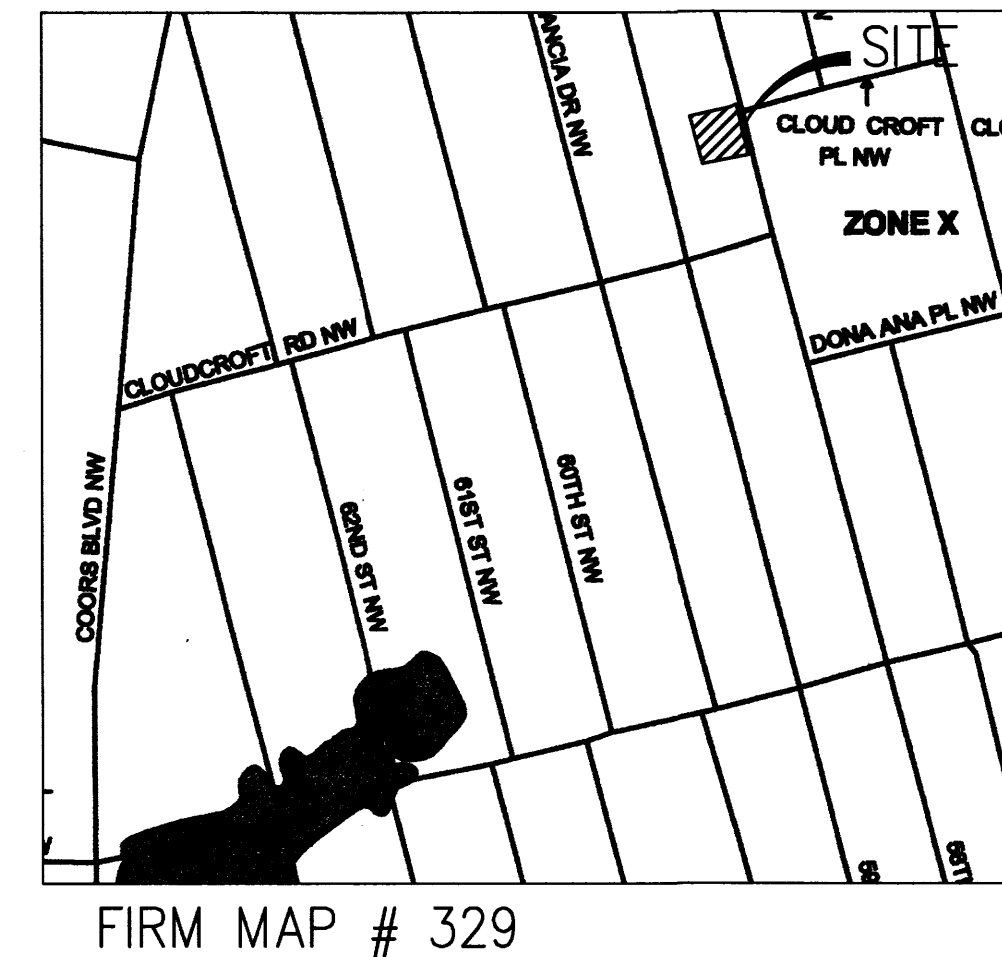
*S BASIN 1: EXISTING
 COMPUTE NM HYD ID=1 HYD NO= 101.1 DA=.0003 SQ MI
 PER A=10 PER B=15 PER C=66 PER D=9 TP=-.13
 RAIN=-1
 ID=1 CODE=10

*S BASIN 2: PROPOSED
 COMPUTE NM HYD ID=2 HYD NO= 102.1 DA=.0003 SQ MI
 PER A=10 PER B=15 PER C=35 PER D=40 TP=-.13
 RAIN=-1
 ID=2 CODE=10

PRINT HYD
 FINISH

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - VERSION: 1997.02a RUN DATE (MON/DAY/YR) =03/07/2007
 INPUT FILE = E:\ahymo\511.TXT USER NO.= AHYMO-I-9702a01000076-SH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID	TO ID	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE	NOTATION
START										1	
*S	COMPUTE 100 YR. HYDROGRAPHS FOR 511 58TH STREET.										
*S	511 58TH ST.TXT - HYMO PER JAN 1997 DPM REVISIONS										
RAINFALL	TYPE= 1										RAIN6= 2.400
*S	BASIN 1: EXISTING										
COMPUTE NM HYD	101.10	-	1	.00030	.57	.017	1.03833	1.499	2.985 PER IMP=	9.00	
*S	BASIN 2: PROPOSED										
COMPUTE NM HYD	102.10	-	2	.00030	.65	.022	1.37724	1.499	3.406 PER IMP=	40.00	
FINISH											



AHYMO PROGRAM (AHYMO_97) - Version: 1997.02a
 RUN DATE (MON/DAY/YR) = 03/07/2007
 START TIME (HR:MIN:SEC) = 23:38:46 USER NO.= AHYMO-I-9702a01000076-SH
 INPUT FILE = E:\ahymo\511.TXT

START TIME=0.0 CODE 0 LINES 80
 *S COMPUTE 100 YR. HYDROGRAPHS FOR 511 58TH STREET.
 *S 511 58TH ST.TXT - HYMO PER JAN 1997 DPM REVISIONS
 RAINFALL TYPE=-1 RAIN QUAR=0.0 RAIN ONE= 1.87
 RAIN SIX= 2.4 RAIN DAY=2.8 DT=0.0333

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
 DT = .033300 HOURS END TIME = 5.994000 HOURS

*S BASIN 1: EXISTING
 COMPUTE NM HYD ID=1 HYD NO= 101.1 DA=.0003 SQ MI
 PER A=10 PER B=15 PER C=66 PER D=9 TP=-.13
 RAIN=-1

K = .070850HR TP = .130000HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = .10930 CFS UNIT VOLUME = .8923 B = 526.28 P60 = 1.8700
 AREA = .00027 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

K = .113481HR TP = .130000HR K/TP RATIO = .872932 SHAPE CONSTANT, N = 4.068884
 UNIT PEAK = .75542 CFS UNIT VOLUME = .9819 B = 359.72 P60 = 1.8700
 AREA = .000273 SQ MI IA = .40769 INCHES INF = .99154 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=1 CODE=10

PARTIAL HYDROGRAPH 101.10

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	.666	.0	1.332	.1	1.998	.1	2.664	.0
.333	.0	.999	.0	1.665	.3	2.331	.0	2.997	.0

RUNOFF VOLUME = 1.03833 INCHES = .0166 ACRE-Feet
 PEAK DISCHARGE RATE = .57 CFS AT 1.499 HOURS BASIN AREA = .0003 SQ. MI.

*S BASIN 2: PROPOSED
 COMPUTE NM HYD ID=2 HYD NO= 102.1 DA=.0003 SQ MI
 PER A=10 PER B=15 PER C=35 PER D=40 TP=-.13
 RAIN=-1

K = .070850HR TP = .130000HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = .48579 CFS UNIT VOLUME = .9775 B = 526.28 P60 = 1.8700
 AREA = .000120 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

K = .118769HR TP = .130000HR K/TP RATIO = .913610 SHAPE CONSTANT, N = 3.875734
 UNIT PEAK = .48018 CFS UNIT VOLUME = .9726 B = 346.80 P60 = 1.8700
 AREA = .000180 SQ MI IA = .43750 INCHES INF = 1.07500 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033300

PRINT HYD ID=2 CODE=10

PARTIAL HYDROGRAPH 102.10

TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS	TIME HRS	FLOW CFS
.000	.0	1.332	.1	2.664	.0	3.996	.0	5.328	.0
.333	.0	1.665	.3	2.997	.0	4.329	.0	5.661	.0
.666	.0	1.998	.1	3.330	.0	4.662	.0	5.994	.0
.999	.0	2.331	.0	3.663	.0	4.995	.0		

RUNOFF VOLUME = 1.37724 INCHES = .0220 ACRE-Feet
 PEAK DISCHARGE RATE = .65 CFS AT 1.499 HOURS BASIN AREA = .0003 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 23:38:46

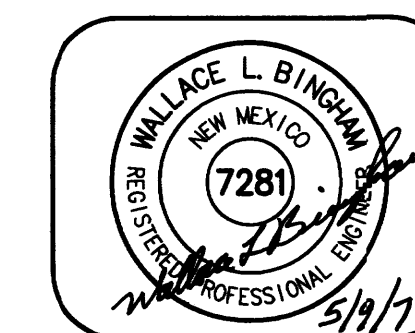
LEGEND

- TC 98.43 PROPOSED TOP OF CURB ELEVATION
- X 69.93 EXISTING SPOT ELEVATION
- X 69.0 PROPOSED SPOT ELEVATION (GRND & TC)
- TEMPORARY PAVING
- PROPOSED CURB & GUTTER
- EXISTING CURB AND GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
- PROPOSED CONTOUR W/ INDEX ELEVATION
- FLOW ARROW
- STORM DRAIN WITH MANHOLE & INLETS
- PROPOSED STORM DRAIN
- PROPOSED STORM SEWER CATCH BASIN
- PROPOSED WATER BLOCK
- BASIN BOUNDARY
- SUB BASIN BOUNDARY
- PHASE LINE
- RETAINING WALL
- TREE

LEGAL:

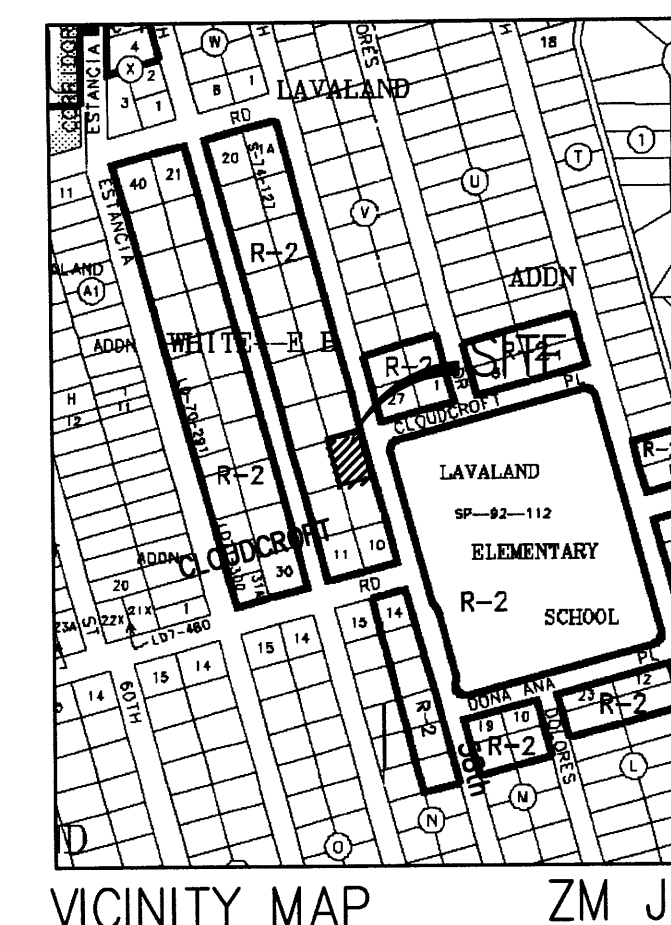
1"=10.00'
 LOT-8 (TOTAL LOT AREA 8814.5 SQ FT)
 E. B. WHITE ADDITION BERNALILLO COUNTY
 ALBUQUERQUE, NUEVO MEXICO
 ZONE: R-2

BINCHAM ENGINEERING
 6344 Belcher NE
 Albuquerque, New Mexico 87109
 505 787 4699

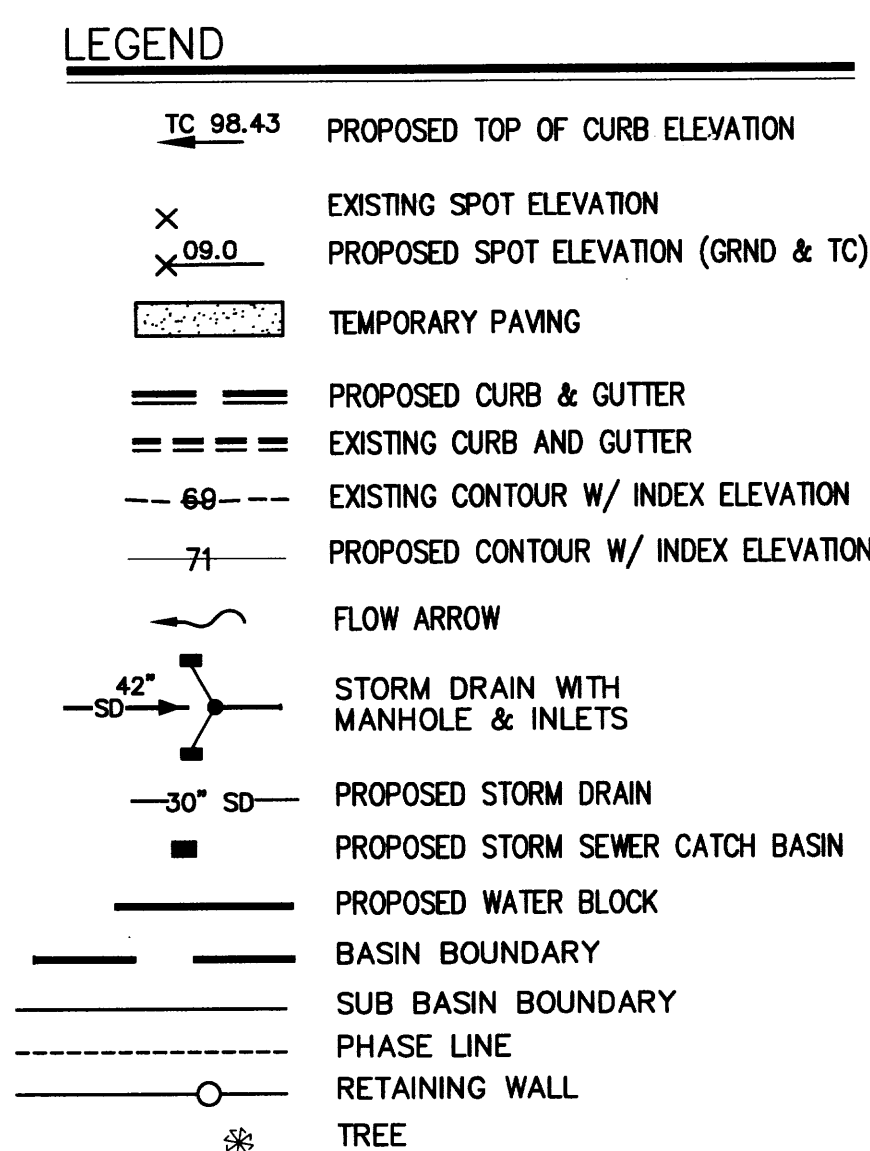


GRADING AND DRAINAGE PLAN

MILLIGAN DUPLEX
 511 58th ST. NW



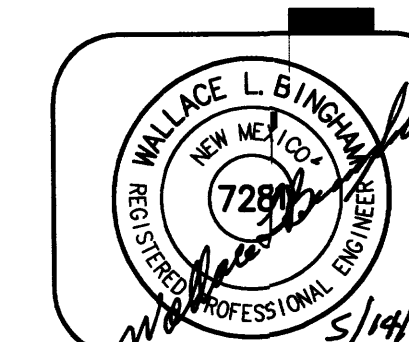
VICINITY MAP ZM J



LEGAL:
1"=10.00'
LOT-8 (TOTAL LOT AREA 8814.5 SQ FT)
E. B. WHITE ADDITION BERNALILLO COUNTY
ALBUQUERQUE, NUEVO MEXICO
ZONE: R-2

Public Infrastructure shown on these plans for information only and not part of approval. Separate DRC/Permit approval and Work Order required.

BINGHAM ENGINEERING
6344 Belcher NE
Albuquerque, New Mexico 87109
505 797 4699



SITE PLAN FOR
TRAFFIC CIRCULATION LAYOUT

MILLIGAN DUPLEX
511 58th ST. NW

