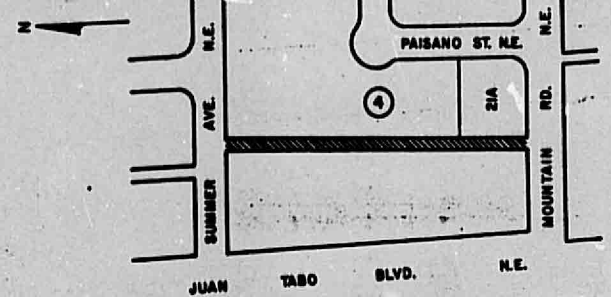
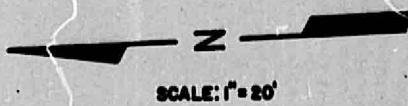


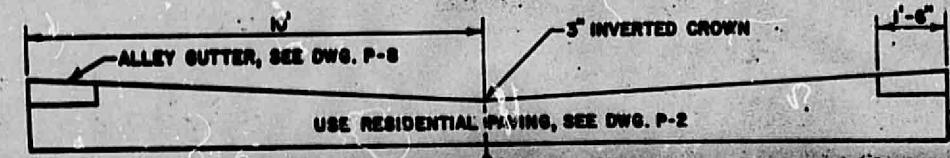
# ROYAL HEIGHTS ADD'N.



LOCATION MAP  
NO SCALE

## LEGEND

- POWER POLE
- TELEPHONE BOX
- WOODEN FENCE
- BLOCK FENCE
- GATE
- ASPHALT PAVEMENT
- PROPERTY LINE
- RIGHT-OF-WAY LINE



ALLEY SECTION

EXPANSION JOINT MATERIAL  
ALONG EXIST. STRUCTURES &  
FOUNDATIONS

VERTICAL 1" = 40'  
HORIZONTAL 1" = 20'

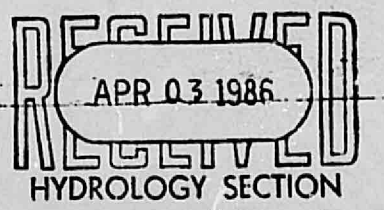


TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT  
LINE LOCATING SERVICE, 765-1234, FOR  
LOCATION OF EXISTING UTILITIES.

APPROVED FOR  
CONSTRUCTION

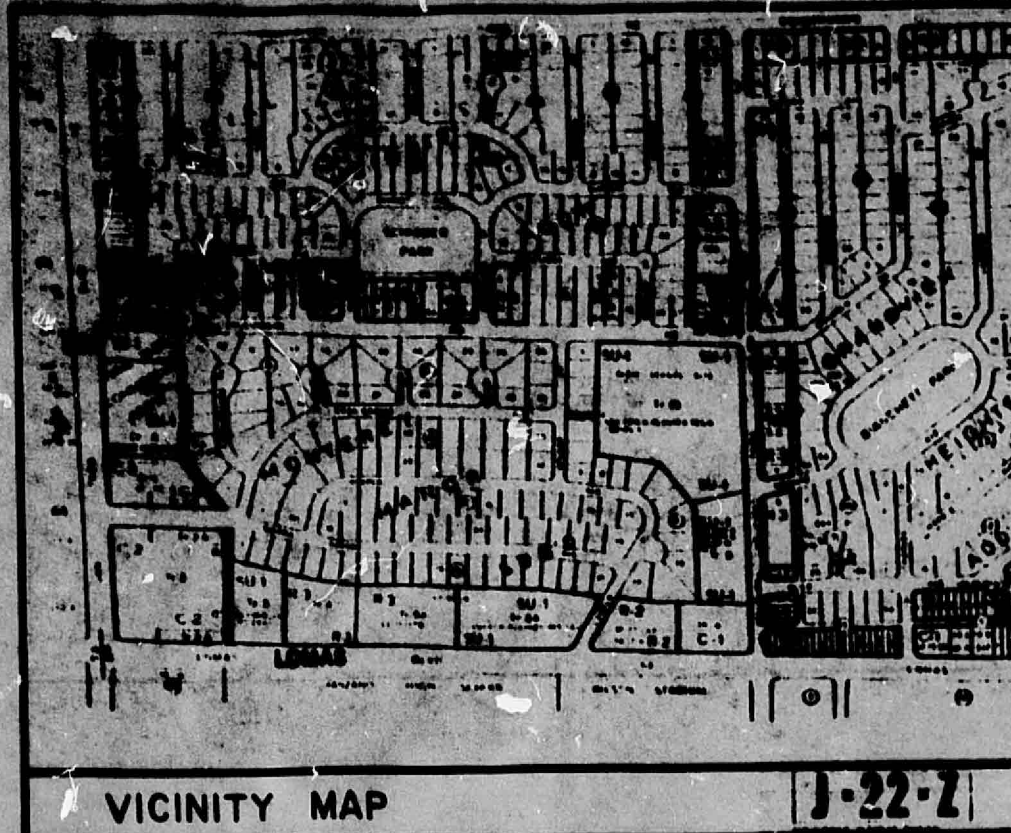
CITY ENGINEER DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ALLEY GRADES FOR ALLEY BETWEEN JUAN TABO BLVD. N.E. FROM SUMMER AVE. N.E. TO MOUNTAIN RD. N.E.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/1/86	City Engineer	<i>[Signature]</i>	5/1/86
A.C.E. - Design	<i>[Signature]</i>	5/1/86	A.C.E. - Design	<i>[Signature]</i>	5/1/86
A.C.E. - Hydrology	<i>[Signature]</i>	5/1/86	A.C.E. - Hydrology	<i>[Signature]</i>	5/1/86
DRAWING NO. P-29-159			SHEET 1 OF 1		



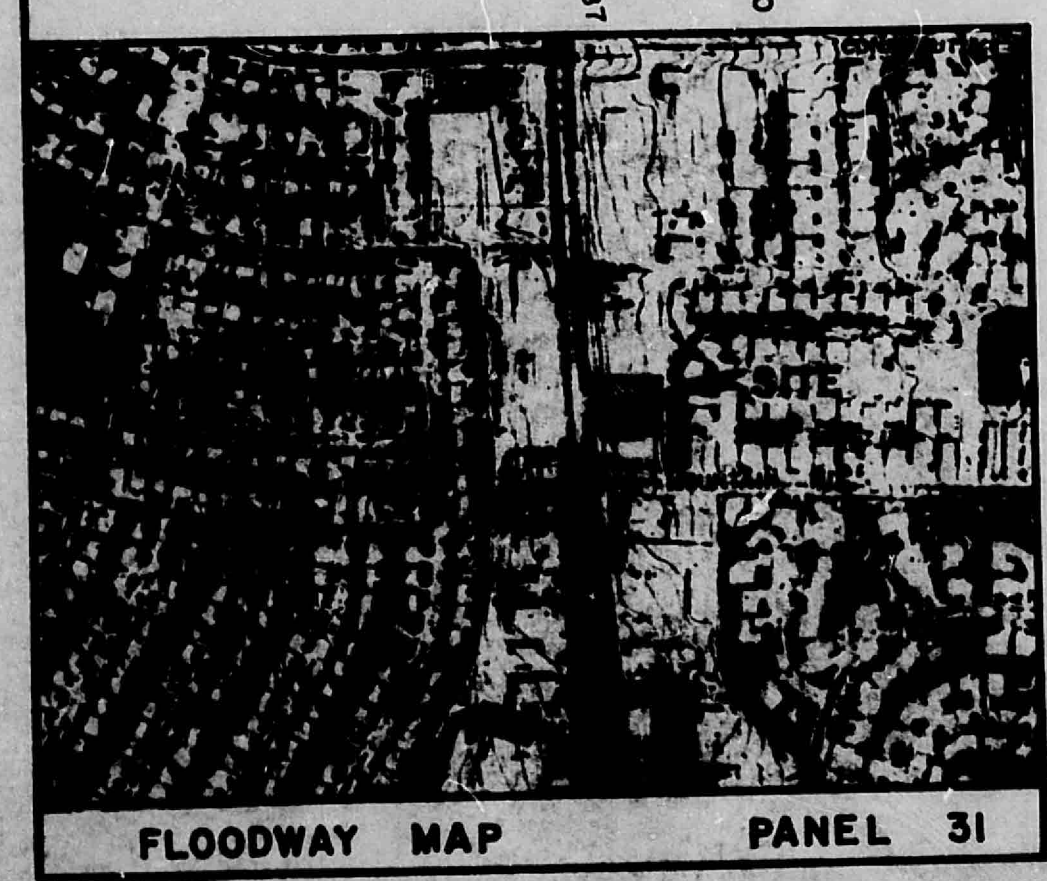
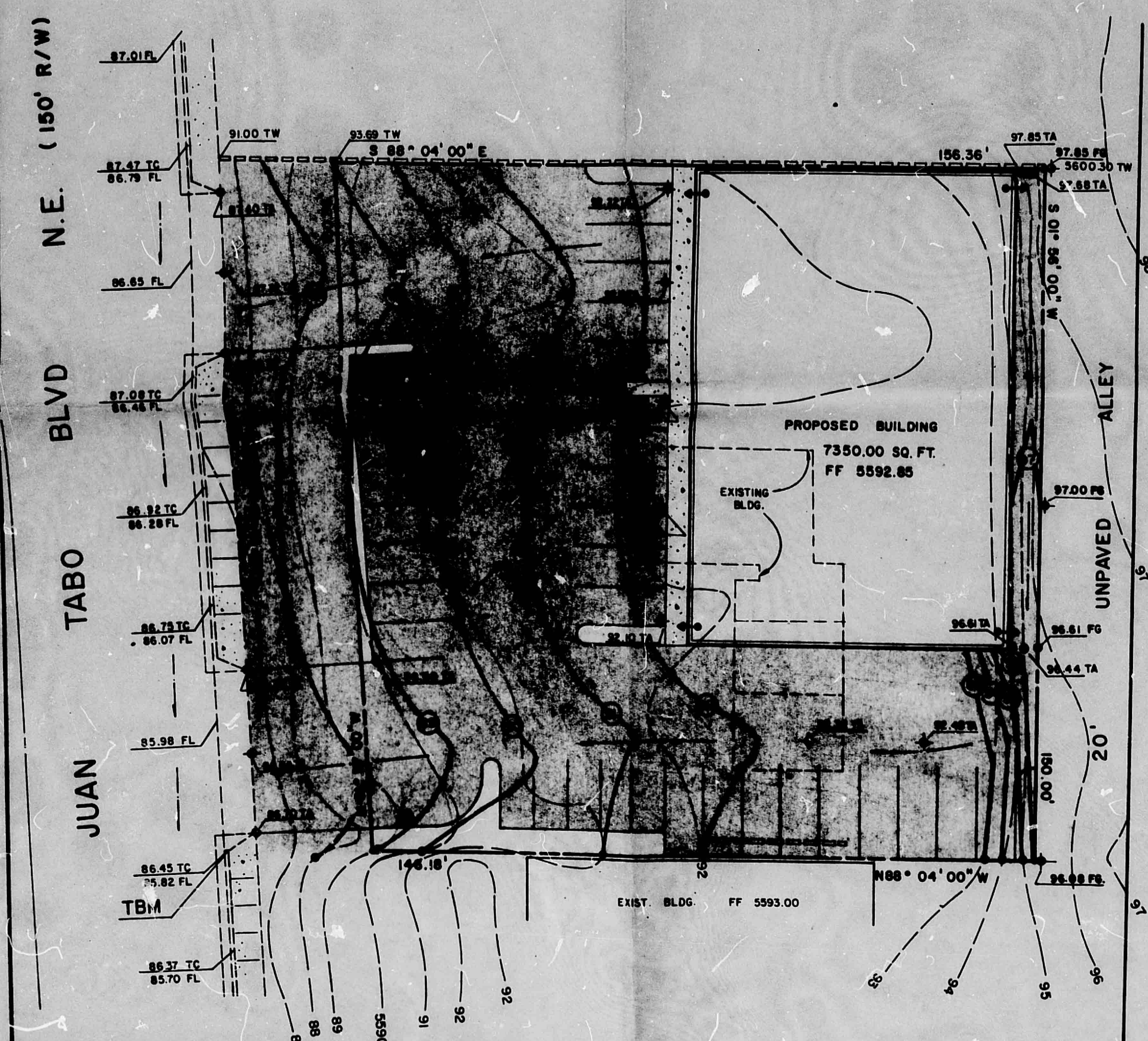
J22/D53





N

SCALE: 1" = 20'



# GRADING AND DRAINAGE PLAN FOR GOODWILL INDUSTRIES PARCEL "B" BLOCK 4 ROYAL HEIGHTS ADDITION

DATA

AREA OF SITE	22,690 SQ. FT. (0.5209 ac.)
SLOPE	5.18 % E TO W
SOILS GROUP	B
TIME OF CONCENTRATION	10 MINUTES
RAINFALL (PL 22.2 D-1 DPM)	2.50 IN.
INTENSITY (PL 22.2 D-2 DPM)	0.28 IN/HR

EXISTING CONDITION

PAVED SITE WITH EXISTING BUILDING  
C - FACTOR

TYPE OF SURFACE	"C"	AREA (SF)	C x A
BUILDING	0.90	1,125	1,013
ASPHALT	0.95	20,143	19,136
NATURAL	0.40	1,422	569

WEIGHTED C-FACTOR =  $\frac{20,718}{22,690} = 0.91$

$Q_{100} = CFA = (0.91)(5.28)(0.5209) = 2.50$  cfs

$Q_{10} = 0.657 Q_{100} = 1.64$  cfs

OFF-SITE FLOW

AT PRESENT SITUATION THE SITE IS RECEIVING 0.38 cfs FROM UNPAVED ALLEY, ON THE EAST. DEVELOPMENT OF THE SITE WILL COORDINATE WITH APPROVED GRADE FOR ALLEY AND SHALL CONVERT THE OFF-SITE FLOW TO SOUTH THROUGH ALLEY.

PROPOSED SITE RUNOFF

C-FACTOR

TYPE OF SURFACE	"C"	AREA (SF)	C x A
BUILDING	0.90	7,350	6,615
ASPHALT	0.95	14,620	13,889
LANDSCAPE	0.25	720	180

WEIGHTED C-FACTOR =  $\frac{20,684}{22,690} = 0.91$

$Q_{100} = 2.50$  cfs

$Q_{10} = 1.64$  cfs

DISPOSAL

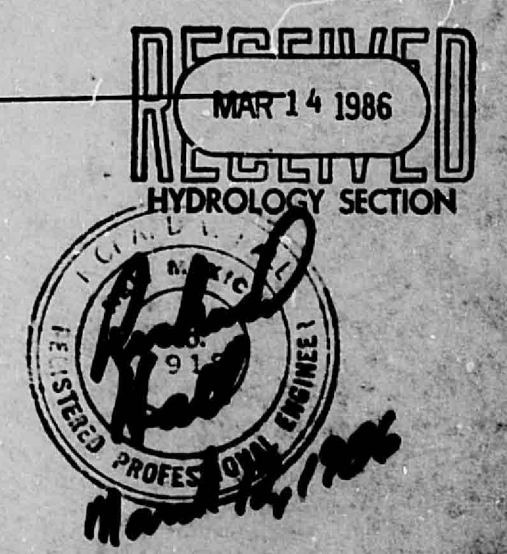
FREE DISCHARGE TO JUAN TABO BLVD.  
NO INCREASE IN PEAK RUNOFF  
RUNOFF TRAVELS SOUTH ON JUAN TABO TO A DROP INLET AT THE INTERSECTION OF JUAN TABO BLVD. AND MOUNTAIN ROAD.

BENCH MARK INFORMATION

STA. NM ACS "5-J22", A CONCRETE NAIL DRIVEN IN A CONSTRUCTION JOINT OF THE CONCRETE CURB AT THE SSE CURB RETURN, AT THE INTERSECTION OF JUAN TABO BLVD., AND MOUNTAIN ROAD, N.E. IN THE SOUTHEAST QUADRANT OF THE INTERSECTION. EL. 5595.188 (SEE VICINITY MAP)

PERFORMED FOR:

DURA BILT PRODUCT INC.  
MARCH 1986



EROSION CONTROL STATEMENT

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC R.O.W. OR INTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING BERMS AT THE PROPERTY LINE AND WETTING THE SOIL TO KEEP IT FROM BLOWING.

2. THIS IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN A TOP SOIL DISTURBANCE PERMIT FROM THE ENVIROMENTAL HEALTH DEPARTMENT.

LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXIST. SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	TOP OF CURB
	TOP OF ASPHALT
	FLOW LINE
	DIRECTION OF ROOF DRAIN
	FLOW DIRECTION
	EXIST. WALL