

DRAINAGE SUMMARY

BASED ON 1987 DRAINAGE REPORT BY COE & VAN LOO (MASTER DRAINAGE FOR SUPERSTITION SPRINGS) SITE IS REQUIRED TO RETAIN 0.25'. REMAINING STORMWATER RETENTION IS LAKE ON SOUTH SIDE OF SUPERSTITION SPRINGS BLVD. RETENTION WILL BE IN 1' DEEP FRONT BASINS AND ONSITE STORM DRAIN COLLECTION SYSTEM. PIPE WILL REDUCE TO 8" AND VALVE INTO EXISTING CATCH BASIN. PLAN IS CONSISTENT WITH PREVIOUSLY APPROVED KRISPY KREME/REAR ROBIN SITE LOCATED IMMEDIATELY TO THE EAST (2009).

VOLUME REQUIRED:
 V=DEPTH REQUIRED (0.25') X C (0.90) X CONTRIBUTING AREA
 V=0.25' X 0.90 X 178,513 CU FT
 TOTAL VOLUME REQUIRED=3,347 CU FT

VOLUME PROVIDED:
 1. BASIN:
 HW=54.60 (3,515 SF)
 BOT=53.60 (1,612 SF)
 VOL=2,483 CU FT
 2. UNDERGROUND CONVEYANCE & STORAGE PIPE
 591 LF 24" PIPE
 VOL=1,857 CU FT
 TOTAL VOLUME PROVIDED=4,339

INLET INSTALLED IN BASIN WILL ALLOW BASIN OVERAGE TO ENTER PIPE SYSTEM. PIPE SYSTEM WILL COLLECT WEST AND NORTH AREAS. SOUTH AREAS WILL CUTFALL INTO FRONT AREAS AND CROSS UNDER DRIVEWAY INTO BASIN.

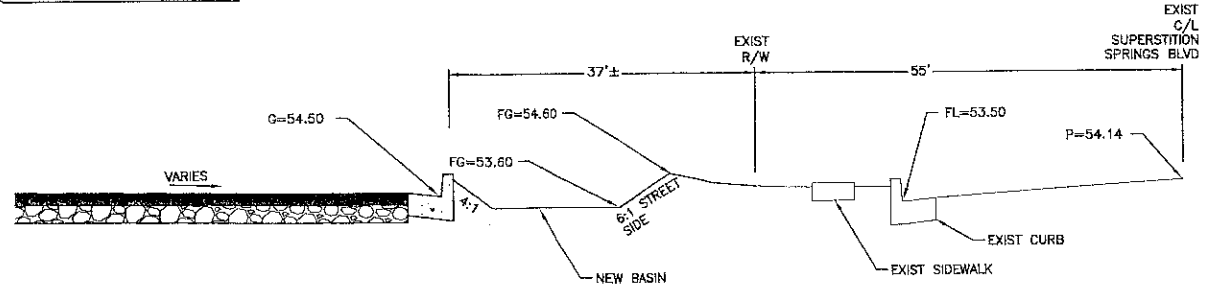
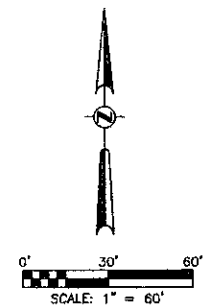
8" BLEED PIPE OUT OF INLET IN BASIN WILL ALLOW POSITIVE MEANS OF DRAINAGE INTO EXISTING STORM DRAIN SYSTEM.

UTILITY SUMMARY

SITE WILL EXTEND 12" WATER NORTH OF KRISPY KREME AND CONNECT TO EXISTING 12" BEHIND CURB. DOMESTIC AND LANDSCAPE METERS WILL BE PLACED IN ISLANDS ON EACH PROPERTY. FIRELINES WILL USE THIS SAME LINE FOR SERVICE. BACKFLOW DEVICES WILL BE IN VERTICAL RISER ROOM IN EACH BUILDING AND FDC'S WILL BE LOCATED ON EACH STRUCTURE.

NEW FIRE HYDRANT WILL BE LOCATED AT NEW DRIVEWAY TAPPING EXISTING LINE BEHIND CURB.

SEWER WILL SERVE FROM EXISTING MANHOLE ONSITE. LINE FROM B.J.'S WILL TAP EXISTING LINE, P.F. CHANG'S WILL TAP EXISTING MANHOLE.

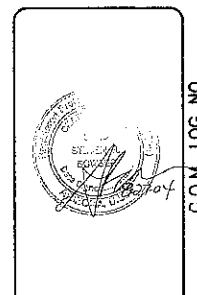


SECTION A-A
NOT TO SCALE

NO.	DATE	DESCRIPTION	REVISIONS

PRELIMINARY PLANS FOR:
P.F. CHANG'S/ B.J.'S
 P.M.I.
K&I ARCHITECTS (03512)
 EAST SUPERSTITION SPRINGS BLVD
 MESA, ARIZONA

Metro/Land Consultants, LLC
 1850 N. CENTRAL AVE., SUITE 525 • PHOENIX, AZ 85004 • PH: 602-393-2030 • FAX: 602-393-2031
 DESIGN: SS/SB DRAFTING: SB DATE: AUG 6 2004
 SCALE: PRELIM G-D + UTILITIES



JOB NO. 04-1-011
1-800-STAKE-IT
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C.O.M. 100 NO.