

GRADING NOTES

1. GAS CANOPY INSTALLER SHALL INSTALL THE CANOPY COLUMN DRAIN PIPE AND OVERFLOW FITTING. THE STORM WATER INSTALLER SHALL CONNECT THEIR PIPING TO THE GAS INSTALLER'S OVERFLOW FITTING.
2. TO AVOID ANY DEFINED CRESTS OR SUMPS, "GRADE BREAKS" SHALL BE CONSTRUCTED AS A "VERTICAL CURVE". SURVEYOR & CONTRACTOR SHALL CONFER WITH QUIKTRIP CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION STAKING OR CONCRETE PLACEMENT RELATIVE TO ANY GRADE BREAKS.

GRADING LEGEND

ST	STORM PIPE (< 10" NEW)
---	STORM PIPE (> 12" NEW)
---	STORM PIPE (> 12" EXISTING)
1235	MAJOR CONTOUR (NEW)
1234	MINOR CONTOUR (NEW)
1235	MAJOR CONTOUR (EXISTING)
1234	MINOR CONTOUR (EXISTING)
---	ADA PATH OF TRAVEL
TC 1234.50	TOP OF CURB ELEVATION (NEW)
G 1234.00	GUTTER ELEVATION (NEW)
FG 1234.00	FINISHED GRADE ELEVATION (NEW)
FG 1234.00	SPOT ELEVATION (EXISTING)
---	STORM GRATE (NEW)

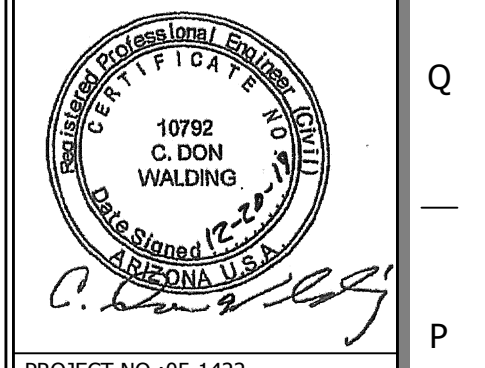
DRAINAGE AREA
 Total Area = 44,550 S.F.
RETENTION REQUIRED:
 VREQUIRED = (C/P/A)
 where:
 C = RUNOFF COEFFICIENT
 P = PRECIPITATION - 100-YR, 2-HOUR (2.16")
 A = DRAINAGE AREA
 VPROVIDED = $d \times (Atop + Abottom + \sqrt{Atop \times Abottom})$
 where:
 d = Basin depth
 Atop = Top area of basin
 Abottom = Bottom area of basin

AREA 1.0:
 VREQUIRED = $(0.90)(2.16)(44,550)$
 = 12
 VPROVIDED = 7,191 CF

RETENTION PROVIDED:
PIPE STORAGE
 where:
 VPROVIDED = $(3.16) \times (r^2) \times (L)$
 r = RADIUS
 L = LENGTH

10" DIAMETER PIPE
 r = 5.0 SF
 L = 100 LF
 VPROVIDED = 7,854 CF

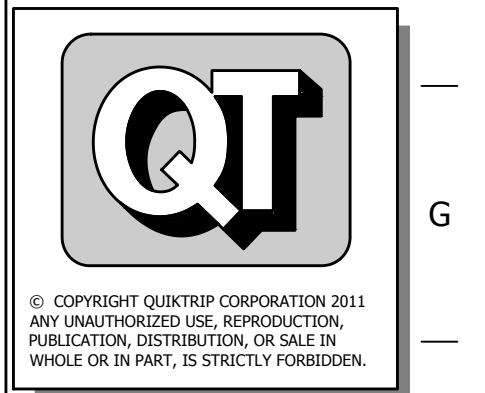
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The WLB Group
 Engineering, Architecture, Planning, Surveying, and Construction Services
 10000 W. McDowell Ave., Suite 100
 Mesa, Arizona 85204
 Phone: (480) 756-1600
 Fax: (480) 756-1600
 WLB PROJECT NO.: 21900-A-002

QuikTrip No. 1422
 1956 EAST SOUTHERN AVENUE
 MESA, ARIZONA 85204



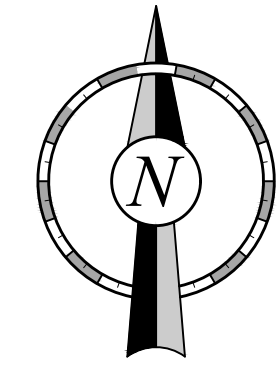
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 PRELIMINARY GRADING PLAN

SHEET NUMBER:
 3 of 5



ORIGINAL ISSUE DATE: