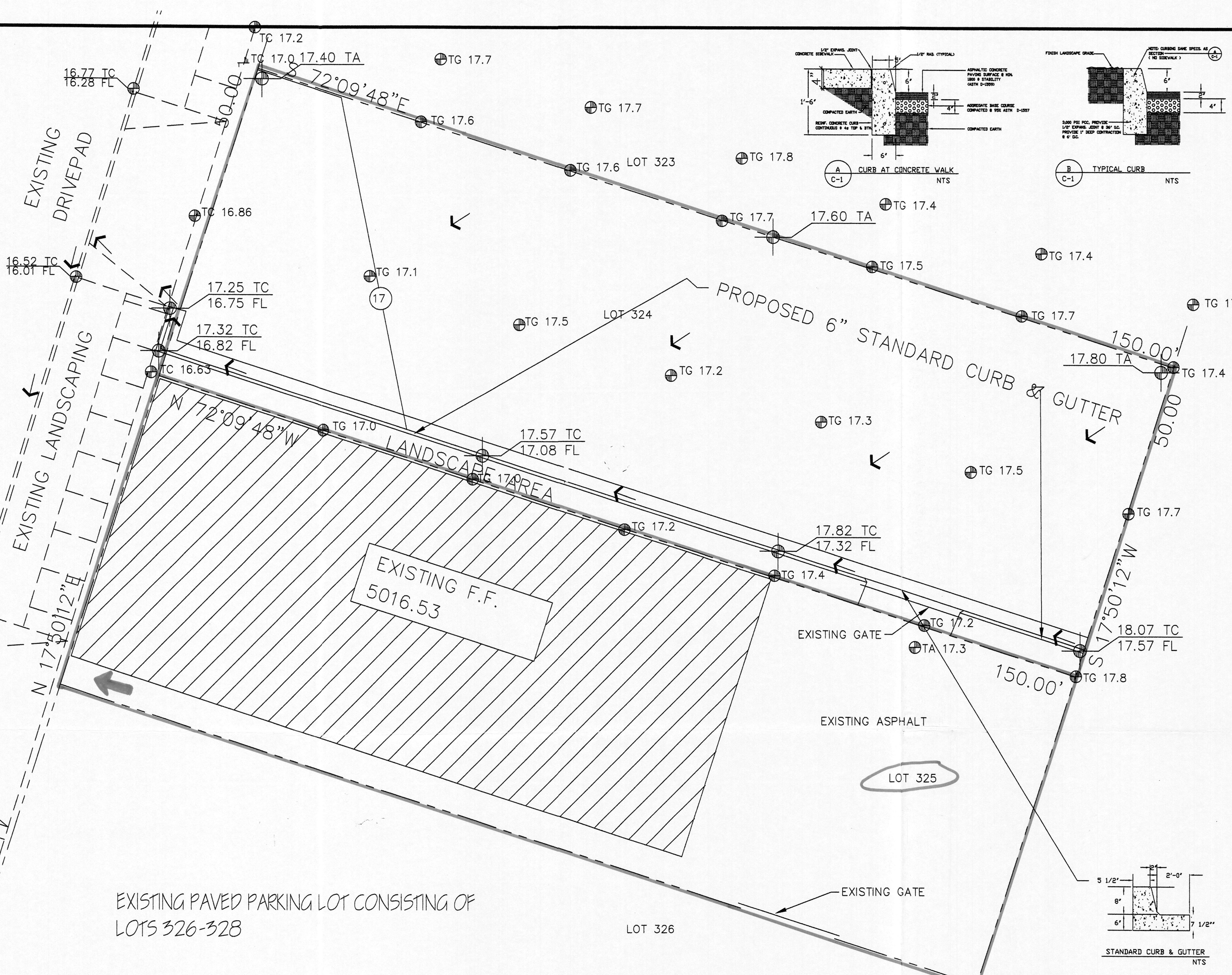


SITE LOCATION

622 OLD COORS BOULEVARD S.W.  
OLD COORS DRIVE



GRADING/PAVING PLAN

THE FOLLOWING ITEMS CONCERNING (622 OLD COORS DRIVE S.W. LOT 324) RIO GRANDE HEIGHTS ADDITION, BERNALILLO COUNTY, ALBUQUERQUE, NEW MEXICO, ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 0.17218 ACRES, MORE OR LESS, AND IS LOCATED SOUTH OF THE INTERSECTION OF OLD COORS DRIVE S.W. AND GONZALES ROAD S.W., ON THE EAST SIDE OF OLD COORS DRIVE S.W. THE SITE IN ITS EXISTING CONDITION IS A VACANT DIRT PARCEL OF LAND WHICH SLOPES FROM EAST TO WEST. ACCORDING TO THE FLOOD INSURANCE MAPS, PANEL 0329E, REVISED NOVEMBER 19, 2003, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD ZONE, NOR DOES IT CONTRIBUTE TO ANY DOWNSTREAM FLOODING.

PROPOSED CONDITIONS

AS SHOWN BY THE GRADING/PAVING PLAN, THE PROJECT WILL CONSIST OF GRADING AND ASPHALT PAVING THE LOT. ALL THE DEVELOPED RUN-OFF WILL BE ROUTED OUT THE EXISTING DRIVEPAD AND ONTO OLD COORS DRIVE S.W. FROM THAT POINT THE RUN-OFF WILL TRAVEL SOUTH TO A BATTERY OF DRAIN INLETS LOCATED ALONG THE EAST SIDE OF OLD COORS. NO OFF-SITE FLOWS ENTER THE SITE FROM ANY DIRECTION. THE CALCULATIONS WHICH APPEAR HEREON, ANALYZE THE EXISTING AND PROPOSED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40-ACRES AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL VOLUME II, DESIGN CRITERIA, DATED 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME GENERATED.

PROJECT AREA = 0.17218 ac.

GRADING/PAVING FOR LOUIE'S CHILI PRODUCTS

ZONE 1

PRECIPITATION: 360 = 2.20 in.

1440 = 2.66 in.

10day = 3.67 in.

EXCESS PRECIPITATION: PEAK DISCHARGE:

TREATMENT A 0.44 in. 1.29 cfs/ac.

TREATMENT B 0.67 in. 2.03 cfs/ac.

TREATMENT C 0.89 in. 2.87 cfs/ac.

TREATMENT D 1.97 in. 4.37 cfs/ac.

EXISTING CONDITIONS: AREA

TREATMENT A 0 ac.

TREATMENT B 0 ac.

TREATMENT C 0.17218 ac.

TREATMENT D 0 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = (0.44 x 0.00) + (0.67 x 0.00) + (0.89 x 0.17) + (1.97 x 0.00) / 0.17 ac.

= 0.99 in.

V100-360 = (0.99 x 0.17) / 12 = 0.014205 ac-ft = 619 CF

EXISTING PEAK DISCHARGE:

Q100 = (1.29 x 0.00) + (2.03 x 0.00) + (2.87 x 0.17) + (4.37 x 0.00) = 0.49 CFS

PROPOSED EXCESS PRECIPITATION:

Weighted E = (0.44 x 0.00) + (0.67 x 0.01) + (0.89 x 0.00) + (1.97 x 0.16) / 0.17 ac.

= 1.88 in.

V100-360 = (1.88 x 0.17) / 12.0 = 0.027023 ac-ft = 1177 CF

V100-1440 = (0.03 x 0.16) x (2.66 - 2.20) / 12 = 0.033183 ac-ft = 1445 CF

V100-10day = (0.03 x 0.16) x (3.67 - 2.20) / 12 = 0.046708 ac-ft = 2035 CF

PROPOSED PEAK DISCHARGE:

Q100 = (1.29 x 0.00) + (2.03 x 0.01) + (2.87 x 0.00) + (4.37 x 0.16) = 0.70 CFS

INCREASE 0.70 CFS - 0.49 CFS = 0.21 CFS

LEGAL DESCRIPTION

LOT 324 RIO GRANDE HEIGHTS ADDITION  
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

BENCHMARK

ACS MONUMENT "20-K11"  
EPOXIED TO TOP OF CONCRETE BASE OF TRAFFIC LIGHT STANCHION  
NEAR THE NORTHERLY CORNER OF TRIANGULAR SHAPED ISLAND  
IN THE SOUTHWESTERLY QUADRANT OF OLD COORS & GONZALES RD. S.W.  
ELEVATION: 5017.217

EROSION CONTROL MEASURES

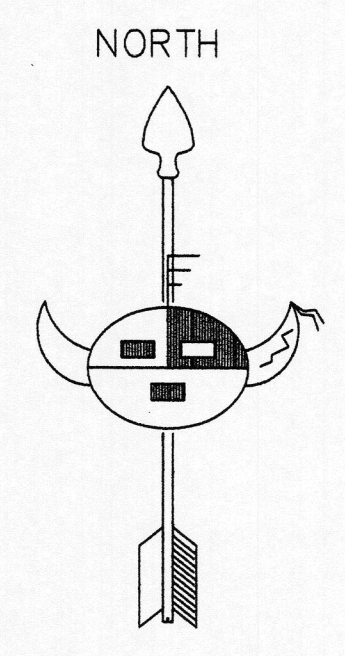
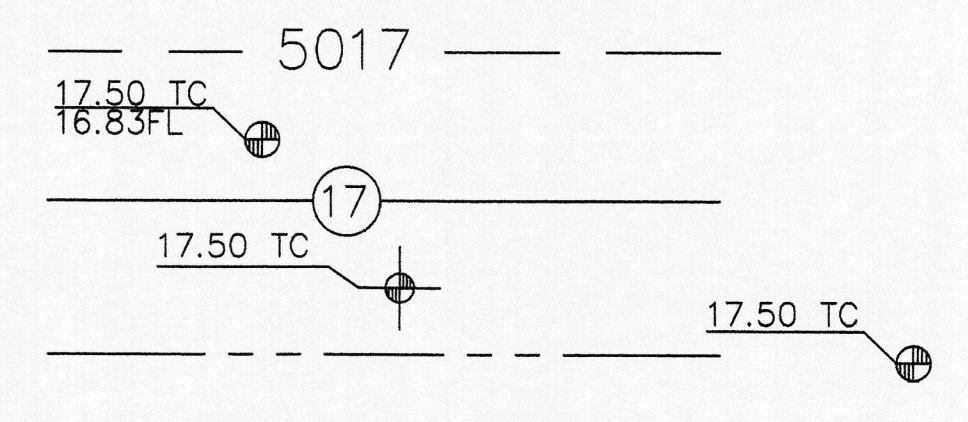
1. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION, HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE:
  - A) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY TEMPORARY BERMS, DIKES, SWALES, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTY.
  - B) ADJACENT PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUN-OFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
2. THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

SYMBOL LEGEND

- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- DESIGN CONTOUR
- PROPOSED SPOT ELEVATION
- PROPERTY LINE
- EASEMENT LINE
- FLOW DIRECTION
- EXISTING SPOT ELEVATION
- DOWN SPOUT

ABBREVIATION LEGEND

- TOP OF SIDE WALK - TSW
- TOP OF CURB - TC
- TOP OF ASPHALT - TA
- FLOWLINE - FL
- BOTTOM OF POND - BP
- FINISHED FLOOR - FF



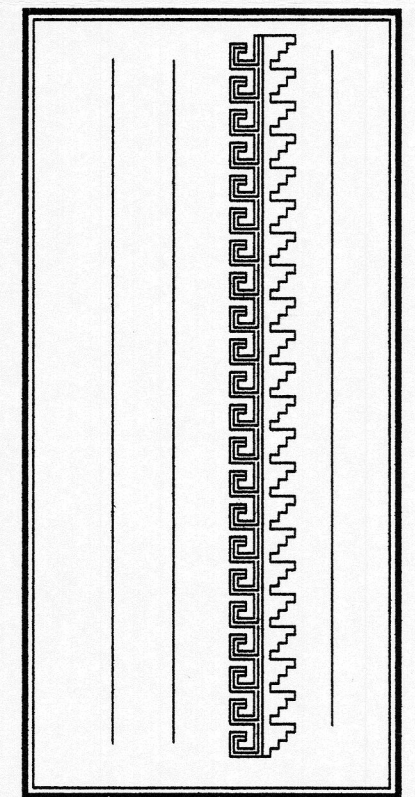
GRADING & DRAINAGE PLAN

Scale 1"=10'-0"



JOB NO: XXXXX  
DATE: MARCH 2005  
REVISIONS

Sheet Title  
GRADING & PAVING PLAN  
Drawn By: BJM  
Checked By:



Project Name  
PROPOSED DRIVE THROUGH FOR  
LOUIE'S CHILI PRODUCTS  
622 OLD COORS BLVD. S.W.  
ALBUQUERQUE, NEW MEXICO

SHEET NO.  
MAR 13 2005  
HYDROLOGY SECTION  
GP