

CITY OF ALBUQUERQUE



July 14, 2010

Gregory J. Krenik, P.E.
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM 87199

**Re: St. Jude Thaddeus Church
Conceptual Grading and Drainage Plan
Engineer's Stamp dated 5-06-10 (B11-D003)**

Dear Mr. Krenik,

Based upon the information provided in your submittal received 06-08-10, the above referenced plan is approved for Site Development Plan for Building Permit action by DRB

PO Box 1293

If you have any questions, you can contact me at 924-3695.

Albuquerque

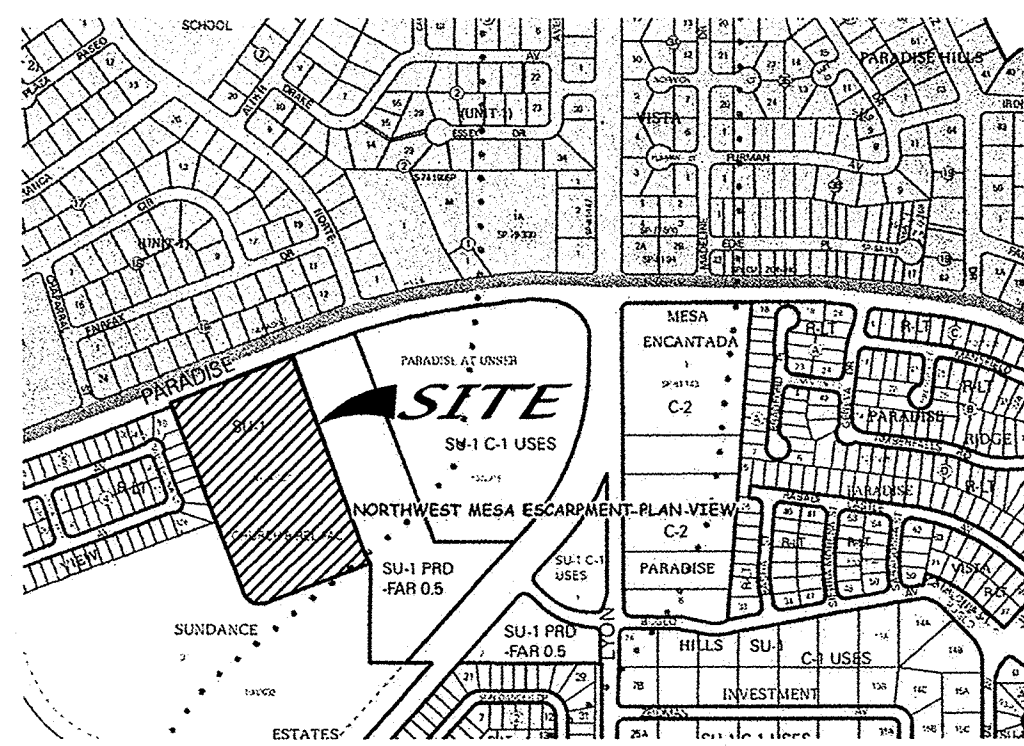
NM 87103

www.cabq.gov

Sincerely,

Curtis Cherne, PE
Sr. Engineer, Planning Department
Development and Building Services

C: Brad Bingham
CC: File



VICINITY MAP ZONE MAP: B-11-Z

LEGEND

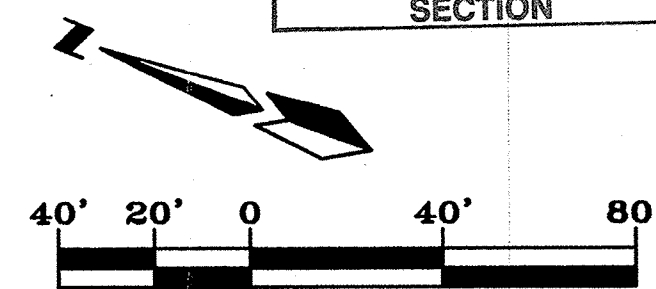
- EM ELECTRIC METER
- GM GAS METER
- WM WATER METER
- WM WATER METER
- SM SANITARY SEWER MANHOLE
- CO CO
- IRR IRRIGATION CONTROL VALVE/BOX
- FH FIRE HYDRANT
- PP POWER POLE
- ANCH ANCHOR
- LP LIGHT POLE
- OVERHEAD POWER LINE
- BURIED POWER CONDUIT

- SPOT ELEVATION
- UNLESS OTHERWISE INDICATED, SPOT ELEVATIONS ARE TO NATURAL GRADE
- EC EDGE OF CONCRETE
- EA EDGE OF ASPHALT
- TA TOP OF ASPHALT
- TC TOP OF CURB / CONCRETE
- FL FLOWLINE
- SW SIDEWALK
- CONCRETE BLOCK WALL
- WROUGHT IRON ENCLOSURE
- STORM DRAIN LINE
- SANITARY SEWER
- BURIED TELEPHONE LINE

- GAS LINE
- WATER LINE
- HANDICAP PARKING SPACE
- EXISTING CONTOURS @ 1 FT. INTERVALS
- INDEX CONTOURS @ 5 FT. INTERVALS
- NEW RETAINING WALL
- NEW TOP OF CURB
- NEW FLOWLINE
- NEW BASIN LINE
- NEW BASIN NUMBER
- NEW STORM DRAIN

DRAINAGE CALCULATIONS

SITE = 9.4772 AC.
85% "D"
15% "C"
 $Q_{100} = 40.00$ CFS
BASIN 1 DRAINS OFFSITE, $Q_1 = 2.44$ CFS
BASIN 2 DRAINS TO POND, $Q_2 = 33.44$ CFS
BASIN 3 DRAINS TO POND, $Q_3 = 4.12$ CFS
 $V_{100} = 1.4742$ AC-FT.
 V TO DAY = 2.0418 AC-FT. FOR RETENTION POND
RETENTION POND VOLUME PROVIDED = 2.2385 AC FT.



RECEIVED

JUN 08 2010

HYDROLOGY SECTION

St. Jude Thaddeus Church
RIO BRAVO & COORS BLVD. SW

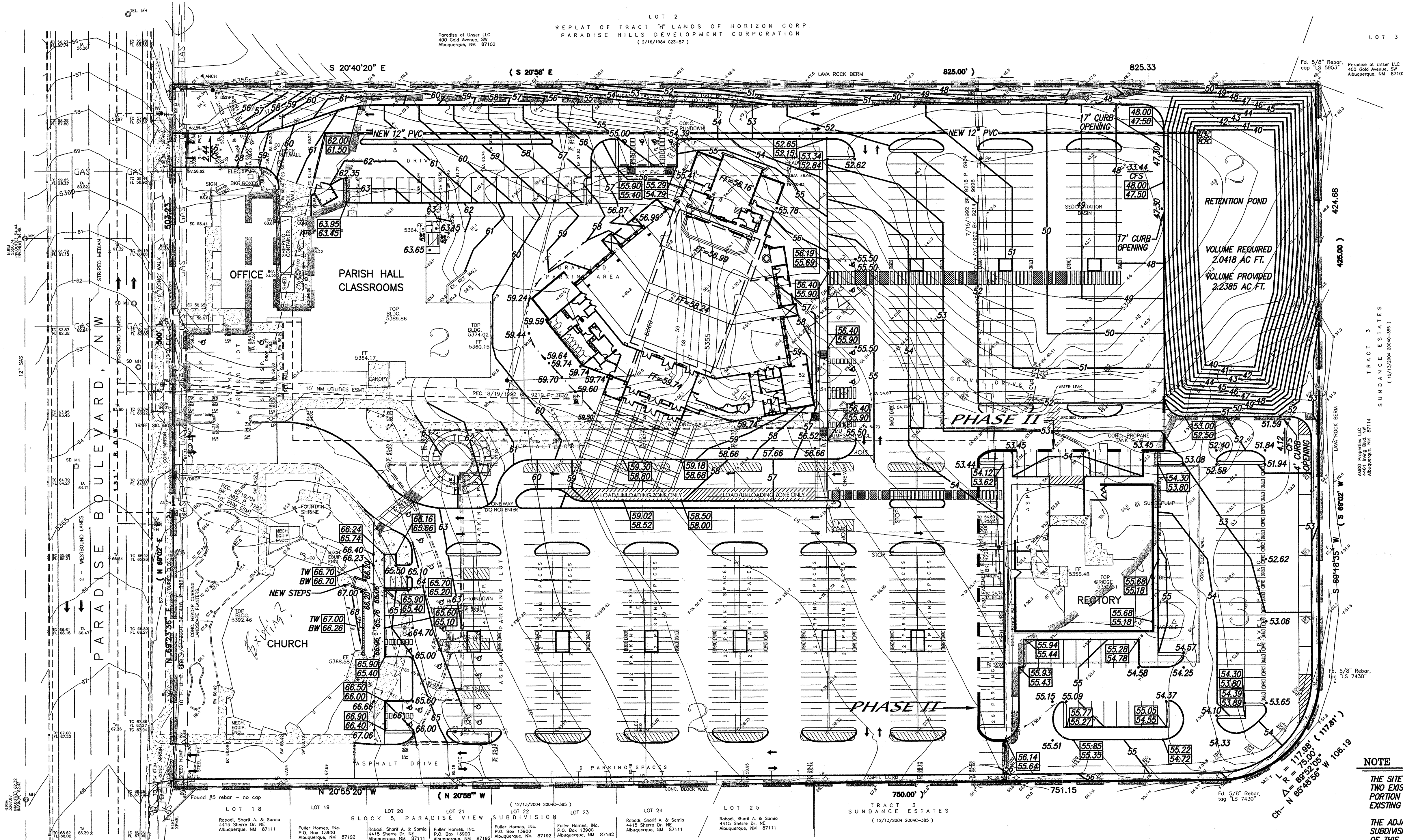
CONCEPTUAL
GRADING & DRAINAGE PLAN



MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS

P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

Designed: GJK Drawn: SP5 Checked: DMG Sheet 2 of 7
Scale: 1" = 30' Date: 03-10-10 Job: A10011



NOTE

THE SITE IS ROUGHLY TWO THIRDS DEVELOPED. THERE ARE TWO EXISTING RETAINING PONDS IN THE UNDEVELOPED S.E. PORTION OF THE SITE. THESE ARE CONNECTED BY AN EXISTING 12" PVC PIPE.

THE ADJACENT PROPERTY TO THE WEST IS A DEVELOPED SUBDIVISION WITH A PERIMETER WALL. THE SOUTH PORTION OF THIS PROPERTY CONSISTS OF A RETENTION POND. THE ADJACENT PROPERTY TO THE SOUTH AND EAST IS UNDEVELOPED WITH GENTLE SLOPES DRAINING AWAY FROM THIS SITE.

THE SITE SLOPES TO THE S.E. AT 3% PROPOSED DRAINAGE WILL BE HANDLED BY SURFACE FLOW TO THE NEW RETENTION POND IN THE S.E. CORNER. AN EXISTING STORM DRAIN WILL BE RELOCATED ALONG THE EAST DRIVE TO TIE IN TO THE NEW POND.

THE ONLY PROPOSED RETAINING WALLS ARE IN FRONT OF THE EXISTING CHURCH AND THEY ARE NO HIGHER THAN 20" TALL.

