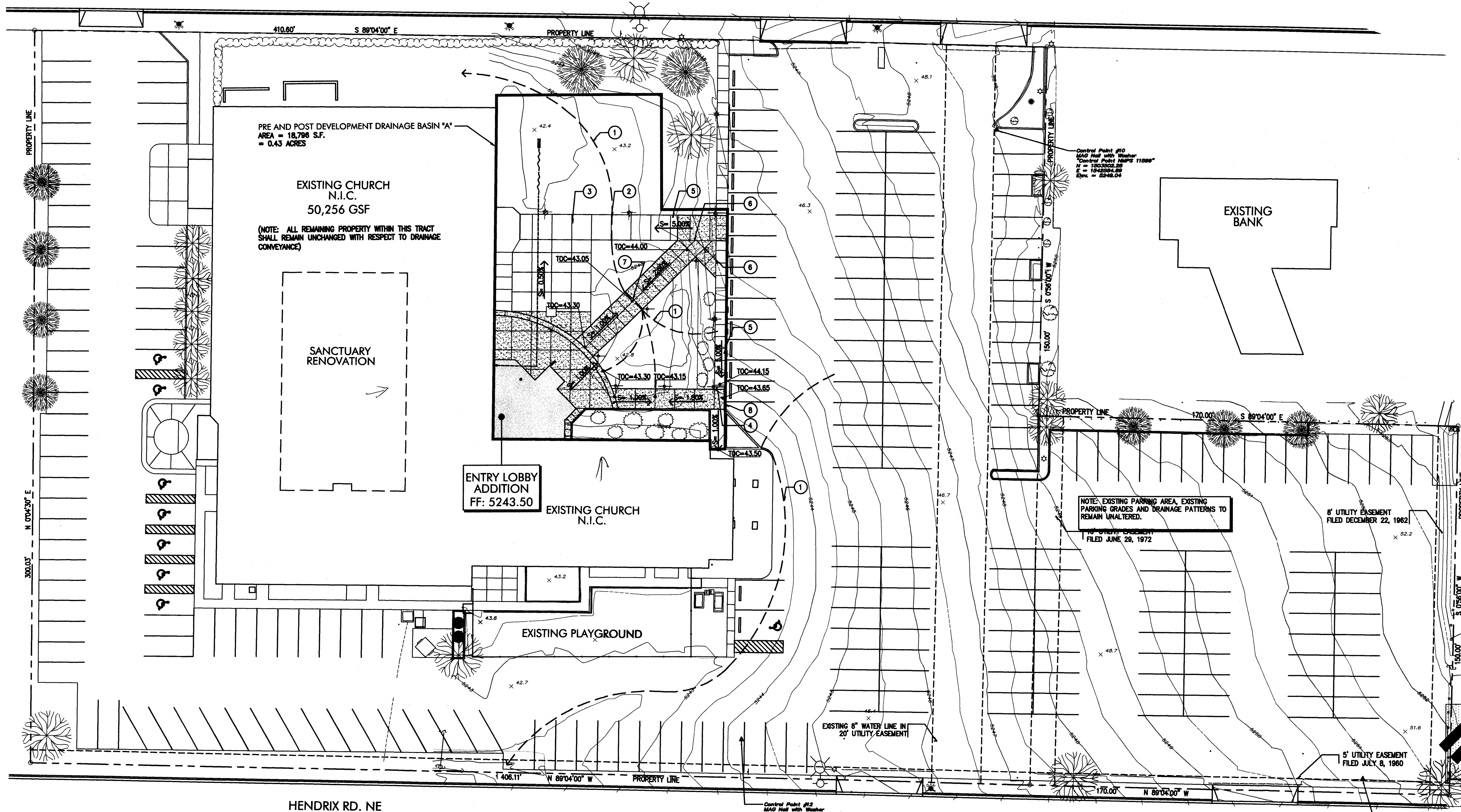
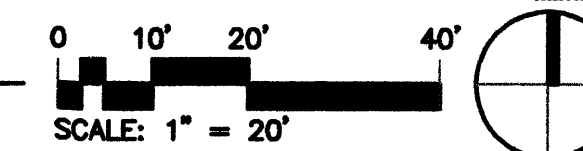


MONTGOMERY BLVD. NE



CONCEPTUAL GRADING PLAN



KEYNOTES

- 1 EXISTING DIRECTION OF DRAINAGE.
- 2 EXISTING PIPE CULVERT TO REMAIN UNALTERED.
- 3 EXISTING CONCRETE WALK TO REMAIN UNALTERED.
- 4 CONCRETE STEP, 6\"/>

PROJECT # _____
APPLICATION # _____

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**DEL NORTE BAPTIST CHURCH
RENOVATION AND ADDITION**
Albuquerque New Mexico 07.15.2011

Grading Plan
FOR BLDG. PERMIT

3A
SHEET AUG 11 2011

JEL & ASSOCIATES, LLC
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ENGINEERING CONSULTING

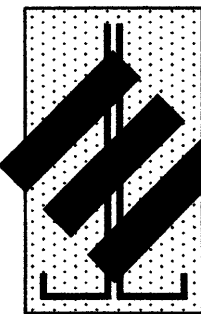
SITE DEVELOPMENT PLAN FOR
BUILDING PERMIT-
ADMINISTRATIVE AMENDMENT
FOR IMPLEMENTATION OF NEW
ENTRY LOBBY SPACE
CONSISTENT WITH THE APPROVED
SITE DEVELOPMENT PLAN
DATED 9/23/1970

DEL NORTE BAPTIST CHURCH

- I. PURPOSE AND SCOPE
THE PURPOSE OF THIS DRAINAGE PLAN IS TO PRESENT THE EXISTING AND PROPOSED DEL NORTE BAPTIST CHURCH LOCATED NEAR THE INTERSECTION OF SAN PEDRO AND MONTGOMERY BOULEVARD. THE SITE IS FULLY DEVELOPED FOR USE AS A CHURCH.
- II. SITE DESCRIPTION AND HISTORY
THE SITE HAS BEEN DEVELOPED AND IN USE AS A CHURCH FACILITY FOR MANY DECADES. OVER TIME SEVERAL ADDITIONS/RENOVATIONS HAVE TAKEN PLACE ON THE SITE. DISCHARGE FROM THE SITE EITHER DIRECTLY OR INDIRECTLY ENTERS MONTGOMERY BOULEVARD.
- THE SITE GENERALLY SLOPES FROM EAST TO WEST TOWARD THE RIO GRANDE. WATER FROM THE SITE PRESENTLY OVERTOPS A SMALL DEPRESSION AND ENTERS MONTGOMERY BOULEVARD FOR THE BASIN UNDER DEVELOPMENT.
- III. COMPUTATIONAL PROCEDURES
HYDRAULIC ANALYSIS WAS PERFORMED UTILIZING THE DESIGN CRITERIA FOUND IN THE COA-DPM SECTION 22.2 RELEASED IN JUNE 1997.
- IV. PRECIPITATION
THE 100-YEAR 6-HOUR DURATION STORM WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THE SITE IS LOCATED WITHIN ZONE 3 AS IDENTIFIED IN THE DPM SECTION 22.2. TABLES WITHIN THAT SECTION WERE USED TO ESTABLISH THE 6-HOUR PRECIPITATION, EXCESS PRECIPITATION AND PEAK DISCHARGE.
- V. EXISTING DRAINAGE CONDITIONS OVERVIEW
THE 3.38 ACRE SITE, LOCATED WITHIN ZONE ATLAS G-18-Z, HAS BEEN DEVELOPED WITH A CHURCH STRUCTURE, LANDSCAPING AND PARKING AREAS.
- THE SITE GENERALLY SLOPES FROM EAST TO WEST. MINIMAL STORM FLOWS ARE DETAINED ON THE NORTH HALF OF THE PROPERTY IN WHAT IS NOW A CHILDS PLAY AREA AND GRASS LANDSCAPED AREA. OFFSITE FLOWS DO NOT ENTER THE SITE.
- THE SITE IS BOUNDED ON THE EAST AND WEST BY COMMERCIAL DEVELOPMENTS. THE SOUTHERLY BOUNDARY IS DEFINED BY HENDRIX ROAD AND THE NORTHERLY BOUNDARY IS MONTGOMERY BOULEVARD.
- ALL FLOWS WITHIN THE TRACT ARE CONVEYED TO DISCHARGE INTO HENDRIX ROAD ON THE SOUTH AND MONTGOMERY BOULEVARD TO THE NORTH. NO ON-SITE RETENTION OF STORM FLOW IS PROVIDED.
- THE DRAINAGE BASIN "A" SHOWN WAS SELECTED AS ONLY THE AREA TO BE DISTURBED BY THE PROPOSED CONSTRUCTION ACTIVITY. THE BALANCE OF THE SITE IS TO REMAIN UNDISTURBED.
- VI. THE PROPOSED SITE IMPROVEMENTS INCLUDE THE ADDITION OF A 823 SQUARE FOOT ENTRY LOBBY WITH ASSOCIATED WALKWAYS AND LANDSCAPING IMPROVEMENTS. THE PROPOSED IMPROVEMENTS ARE TO TAKE PLACE OVER AN EXISTING CONCRETE SLAB. THE PROPOSED IMPROVEMENTS ADD AN ADDITIONAL 1458 SQUARE FEET OF IMPERVIOUS AREAS TO BASIN "A".
- THE ADDITIONAL IMPERVIOUS AREA INCREASES THE PEAK RUNOFF DURING THE 100 YEAR EVENT FROM 1.37 CFS OR 489 CUBIC FEET DURING THE 100 YEAR, 10 DAY STORM EVENT. IT IS PROPOSED TO ALLOW THIS MINOR INCREASE TO DISCHARGE INTO MONTGOMERY BOULEVARD AS HAS HISTORICALLY OCCURRED PRIOR TO THE PROPOSED ADDITION.
- VII. THE SITE RETAINS NO FLOW VOLUMES PRE OR POST DEVELOPMENT.

DRAINAGE SUMMARY		
PROJECT	DEL NORTE BAPTIST CHURCH	
DATE	8/8/11	
BY	EDDY L.	
SITE LOCATION	MONTGOMERY AND SAN PEDRO	
PRECIPITATION ZONE	3 PER TABLE A-1 COA SECTION 22.2	
EXISTING SUMMARY		
BASIN NAME	BASIN A	
AREA (SF)	18,796	
AREA (acres)	0.43	
%A LAND TREATMENT	0.0	
%B LAND TREATMENT	76	
%C LAND TREATMENT	0.0	
%D LAND TREATMENT	24	
SOIL TREATMENT (acres)		
%A LAND TREATMENT	0.0	
%B LAND TREATMENT	.33	
%C LAND TREATMENT	0.0	
%D LAND TREATMENT	.10	
EXCESS RUNOFF (acre feet)		
100YR 6HR	0.05	
10YR 6HR	0.02	
2YR 6HR	0.01	
100YR 24HR	0.05	
PEAK DISCHARGE (cfs)		
100YR	1.37	
10YR	0.74	
2YR	0.28	
PROPOSED SUMMARY		
BASIN NAME	BASIN A	
AREA (SF)	18,796	
AREA (acres)	0.43	
%A LAND TREATMENT	0.0	
%B LAND TREATMENT	68	
%C LAND TREATMENT	0.0	
%D LAND TREATMENT	3.2	
SOIL TREATMENT (acres)		
%A LAND TREATMENT	0.0	
%B LAND TREATMENT	0.29	
%C LAND TREATMENT	0.0	
%D LAND TREATMENT	0.14	
EXCESS RUNOFF (acre feet)		
100YR 6HR	0.05	
10YR 6HR	0.03	
2YR 6HR	0.01	
100YR 24HR	0.06	
PEAK DISCHARGE (cfs)		
100YR	1.46	
10YR	0.82	
2YR	0.34	

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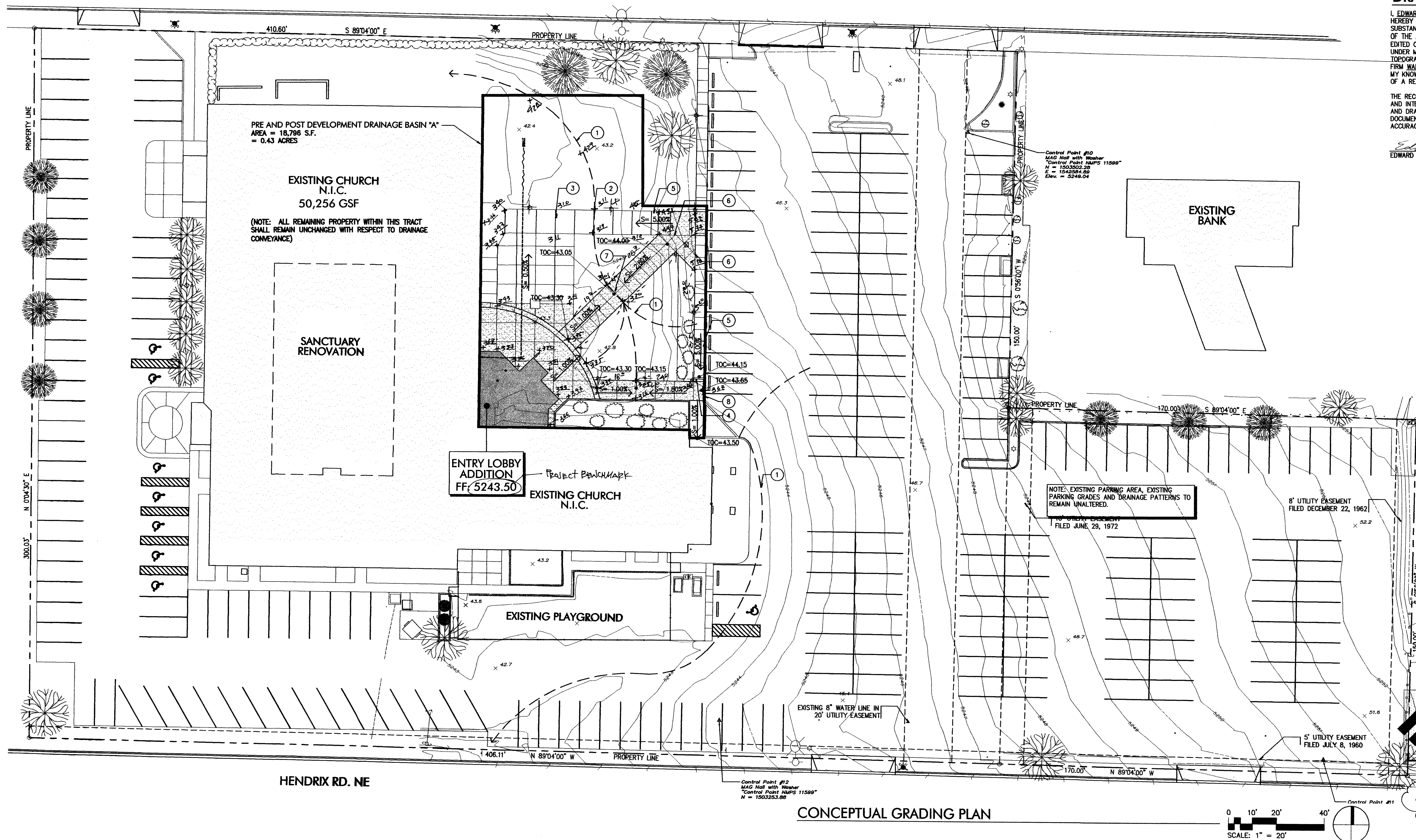
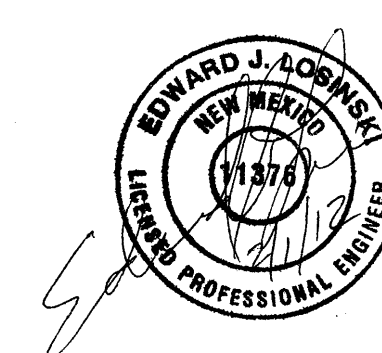
**DEL NORTE BAPTIST CHURCH
RENOVATION AND ADDITION**
Albuquerque New Mexico 07.15.2011

Drawn By: STAFF
Checked By: AJT, MC
Title: _____
Sheet No. 3AA
DRAINAGE DATA AUG 1 2011
SHEET OF

I, EDWARD J. LOSINSKI, NMPE 11376, OF THE FIRM J.E.L. & ASSOCIATES, LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH ALL REQUIREMENTS OF THE DESIGN INTENT OF THE APPROVED PLAN DATED AUGUST 9, 2011. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL DATA TO THE ORIGINAL TOPOGRAPHIC SURVEY PREPARED BY STEPHEN WALKER, NMPS 6401, OF THE FIRM WALKER SURVEY COMPANY, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL CERTIFICATION OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

EDWARD J. LOSINSKI NMPE 11376 PHONE (505) 823-1556 DATE 02/01/11



W SITE DEVELOPMENT PLAN FOR
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NOTE: ELEVATIONS SHOWN ON PED ON THIS SHEET ARE "AS-BUILT" SHOTS TAKEN ON 1-26-12

KEYNOTES

- 1 EXISTING DIRECTION OF DRAINAGE.
- 2 EXISTING PIPE CULVERT TO REMAIN UNALTERED.
- 3 EXISTING CONCRETE WALK TO REMAIN UNALTERED.
- 4 CONCRETE STEP, 6" MAX. RISER.
- 5 EXISTING CONCRETE WALK AND GRADE UNALTERED.
- 6 TIE NEW CONCRETE WALK TO EXISTING WALK, SLOPE AS NEEDED TO 5% MAX. GRADE AND 2% MAX. CROSS SECTION.
- 7 NEW PIPE CULVERT AS NEEDED, 4" MIN. PIPE, GRADE FOR POSITIVE DRAINAGE.
- 8 CONCRETE CURB AS NEEDED.

PROJECT # _____
APPLICATION # _____



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DEL NORTE BAPTIST CHURCH RENOVATION AND ADDITION

Albuquerque New Mexico

GRADING PLAN

GRADING PLAN

FOR BLDG. PERMIT

SHEET

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Drawn By: ST
Checked By: AJT,
Date: 07.15.20

Sheet No.

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OF

Issue: 81-Amondag 12-22-2010 12:00:00 am MST