

ACS MONUMENT "16_D19" HAVING AN ELEVATION OF 5394.008 (NAVD88). TEMPORARY BENCH MARK

TEMPORARY BENCH MARK MARKED WITH AN "X" (SHOWN 🛆) IN CONCRETE

ON SOUTH SIDE OF PALOMAS AVE. HAVING AN ELEVATION OF 5289.78 FEET.

SURVEY NOTES

- FIELD SURVEY PERFORMED IN JUNE 2010 BY CARTESIAN SURVEYS ALL DISTANCES ARE GROUND DISTANCES: U.S. SURVEY FOOT. THE BASIS OF BEARINGS REFERENCES NEW MEXICO STATE PLANE
- COORDINATES (NAVD 88). THE EASEMENT'S SHOWN HEREON ARE ONLY THE EASEMENTS AS SHOWN ON THE PLAT OF RECORD. A TITLE COMMITMENTS WILL BE REQUIRED TO SHOWN OTHER EASEMENTS.
- THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION ONLY. BOUNDARY DATA SHOWN IS FROM PREVIOUS SURVEY REFERENCED HEREON.

LEGEND

CRUB AND GUTTER **FENCE** ____ 0 ___ 0 ___ CONTOUR LINE EASEMENT LINE WATER METER WATER VALVE LIGHT POLE GAS METER FIRE HYDRANT POWER POLE OVERHEAD UTILITY LINES STORM DRAIN INLET SEWER MANHOLE STORM DRAIN MANHOLE WATER MANHOLE UTILITY PEDESTAL WALL BACK OF CURB ELEVATION BC 5744.09 FLOW LINE ELEVATION FL 5744.09 EDGE OF PAVEMENT ELEVATION EP 5744.09 TAC 5444.09 TOP OF ASPHALT CURB ELEVATION GROUND SPOT ELEVATION 5444.09 EXISTING MODULAR BUILDINGS PROPOSED MODULAR BUILDINGS PROPOSED WHEEL STOP PROPOSED SPOT ELEVATION PROPERTY LINE LANDSCAPED SWALE PROPOSED NEW CONTOUR FLOW DIRECTION ROOF DRAIN TOP OF CURB ELEVATION FLOWLINE ELEVATION NEW EXTRUDED CONC. CURB PER CITY STD. DWG. 2415B

HOPE CHRISTIAN ELEMENTARY SCHOOL ADDITION

DRAINAGE BASIN BOUNDARY

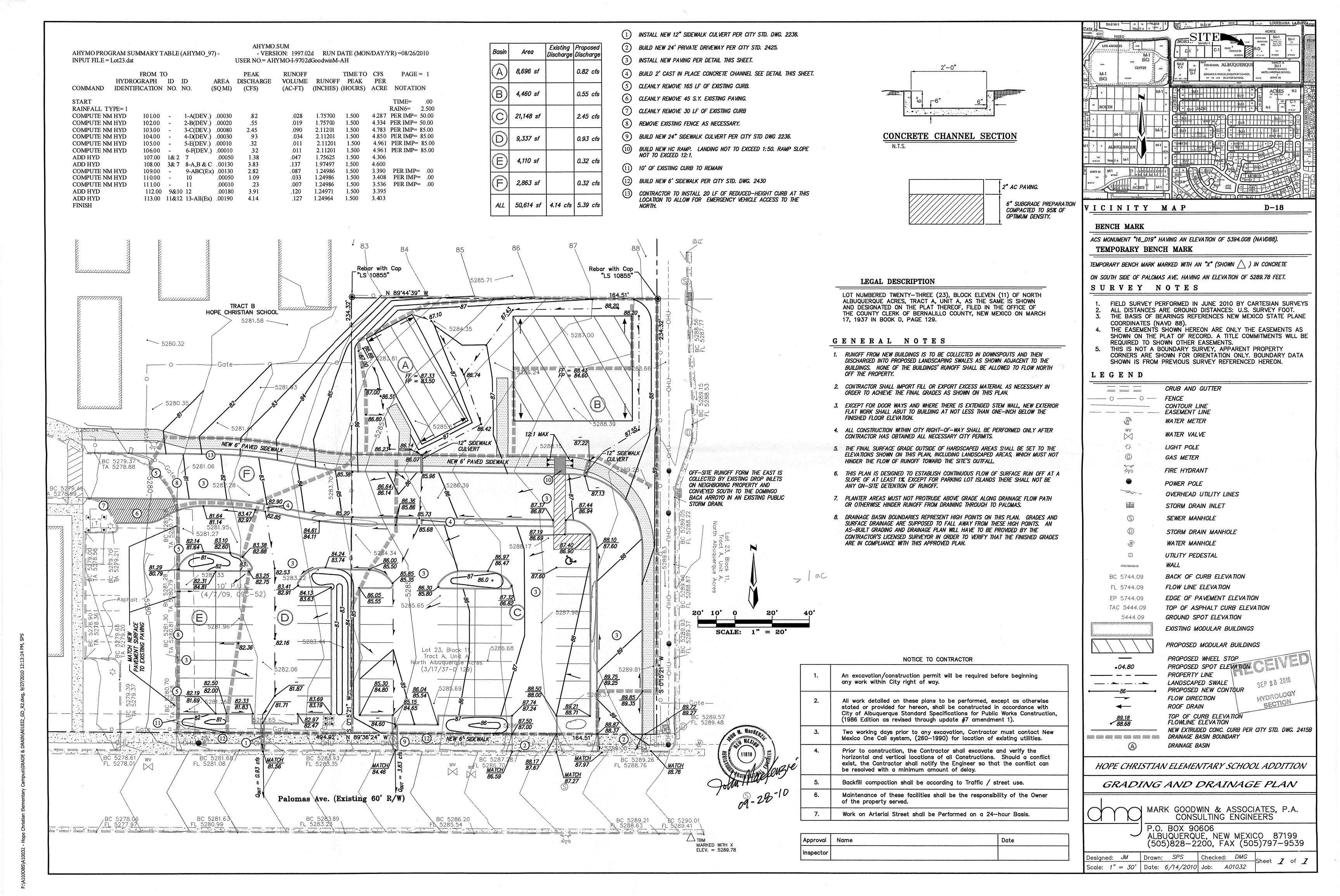
GRADING AND DRAINAGE PLAN

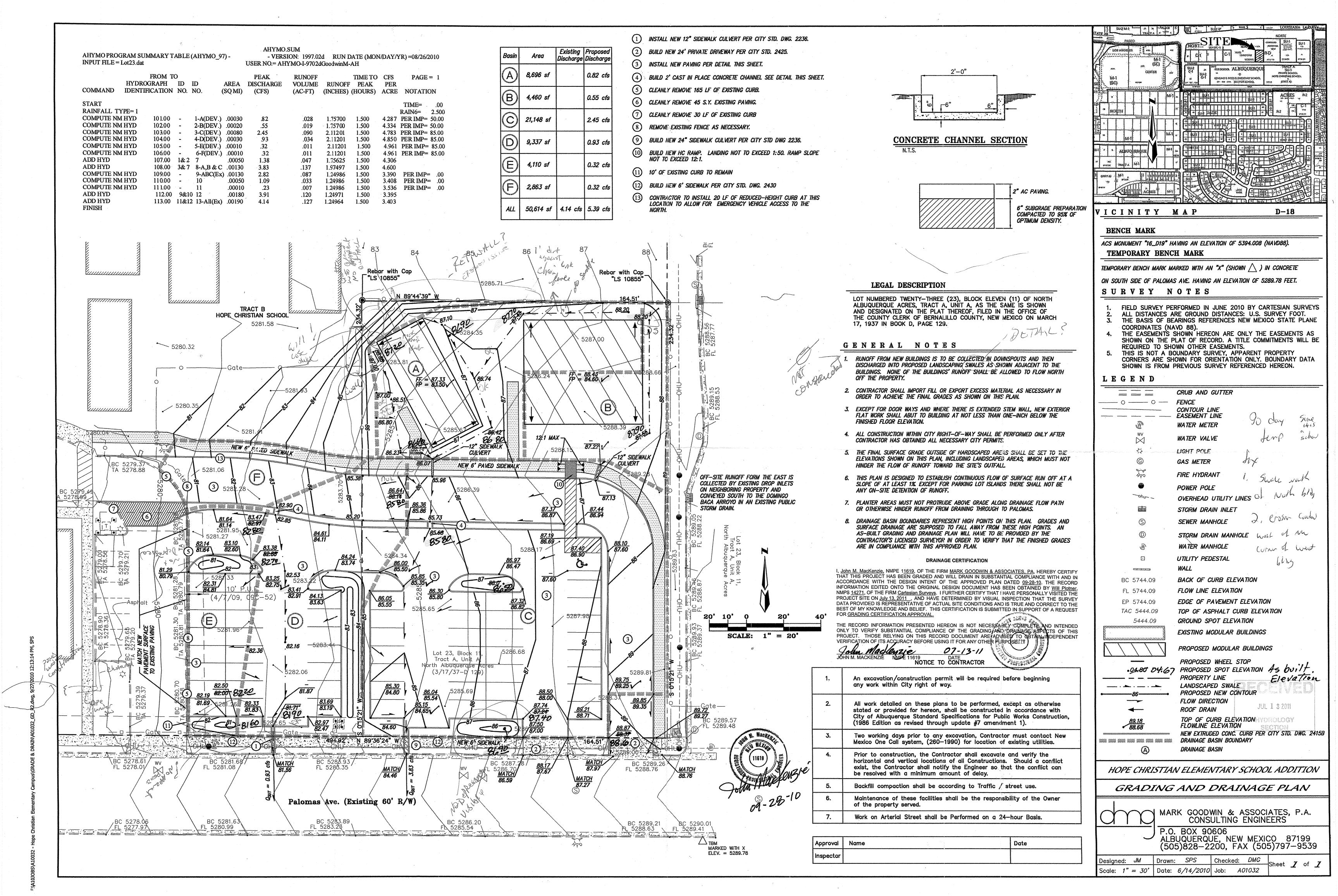
MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS

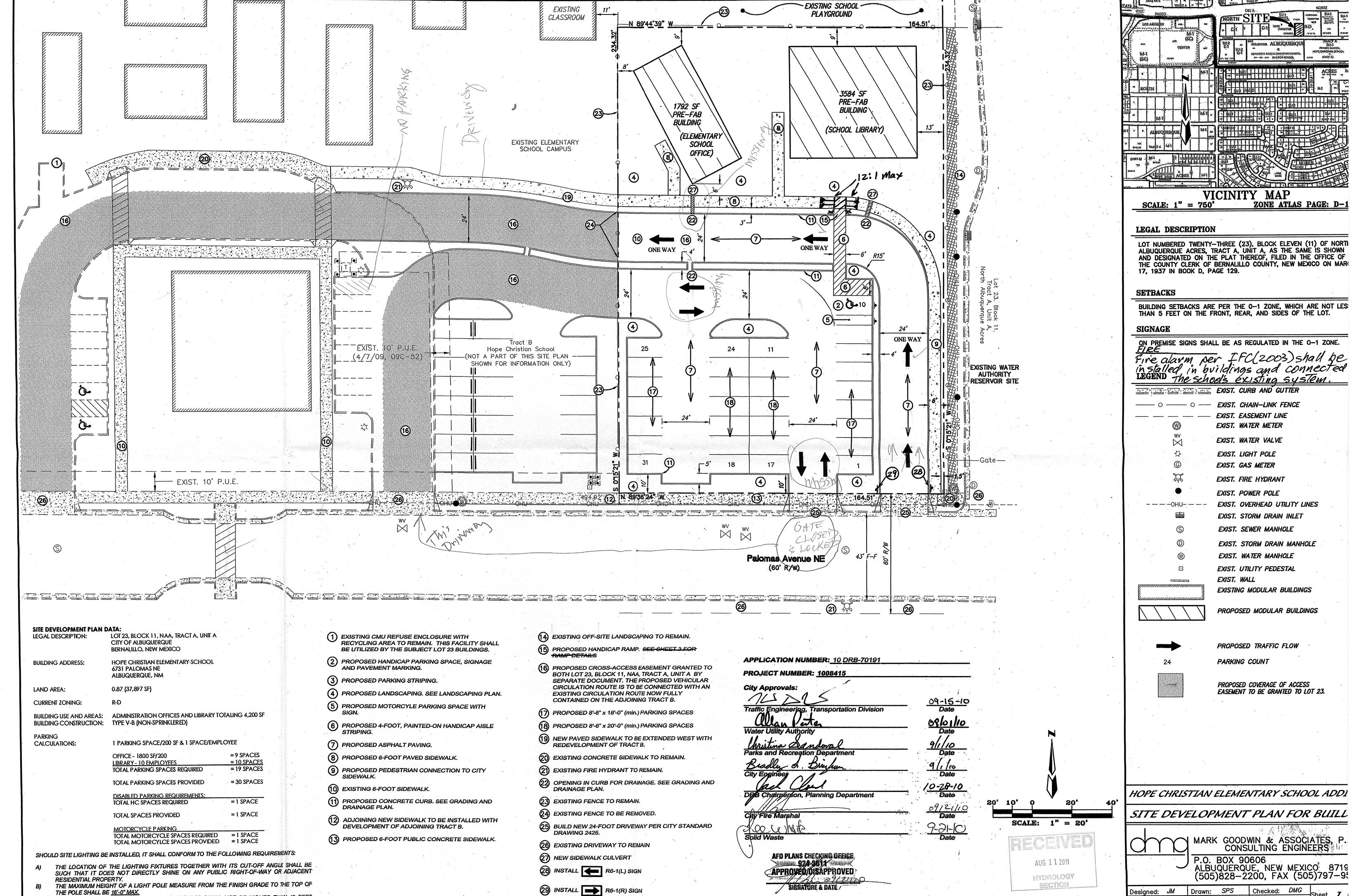
DRAINAGE BASIN

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

Designed: JM Drawn: SPS Checked: DMG Scale: 1'' = 30' Date: 6/14/2010 Job: A01032





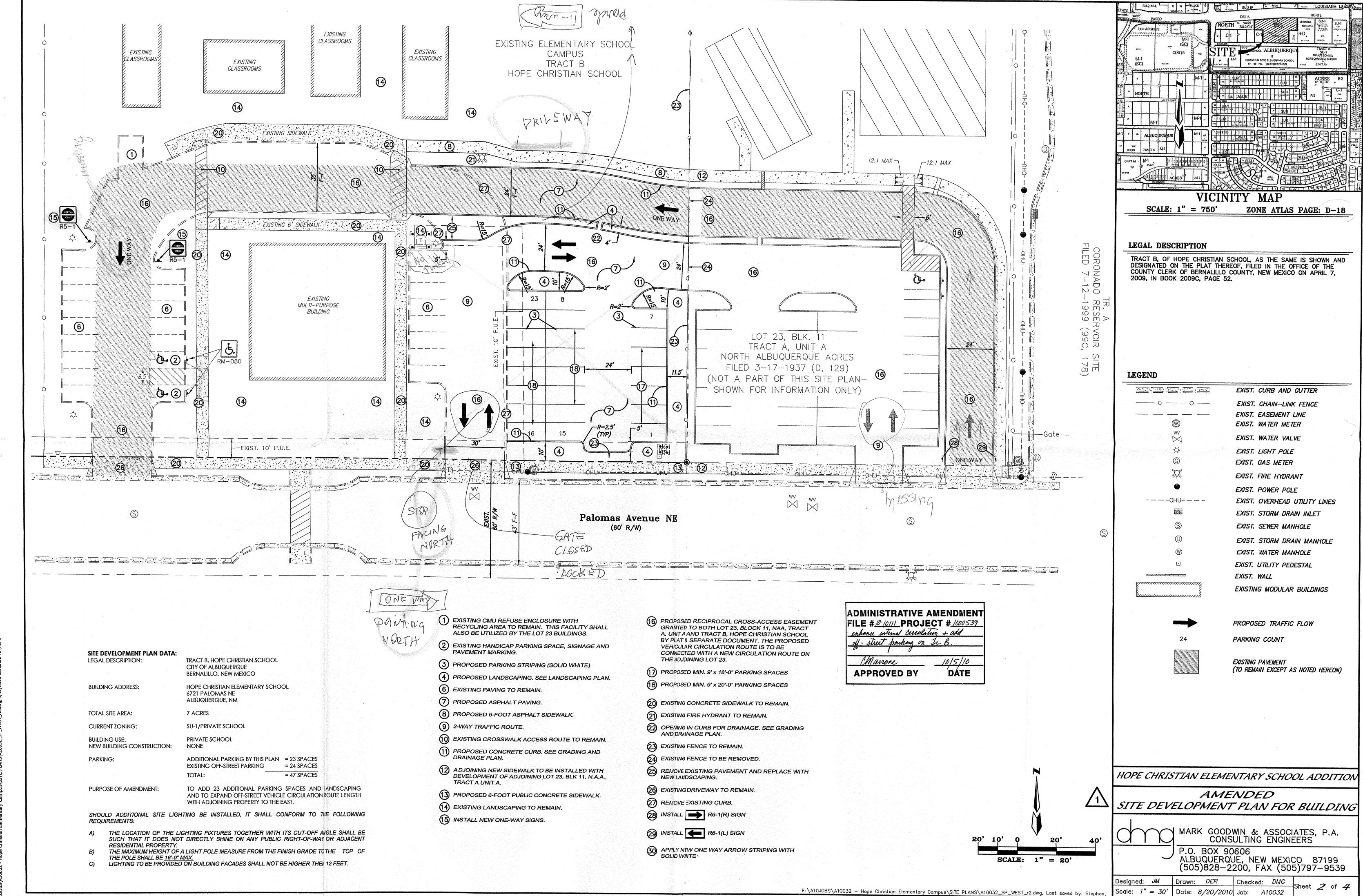


Drawn: SPS | Checked: DMG

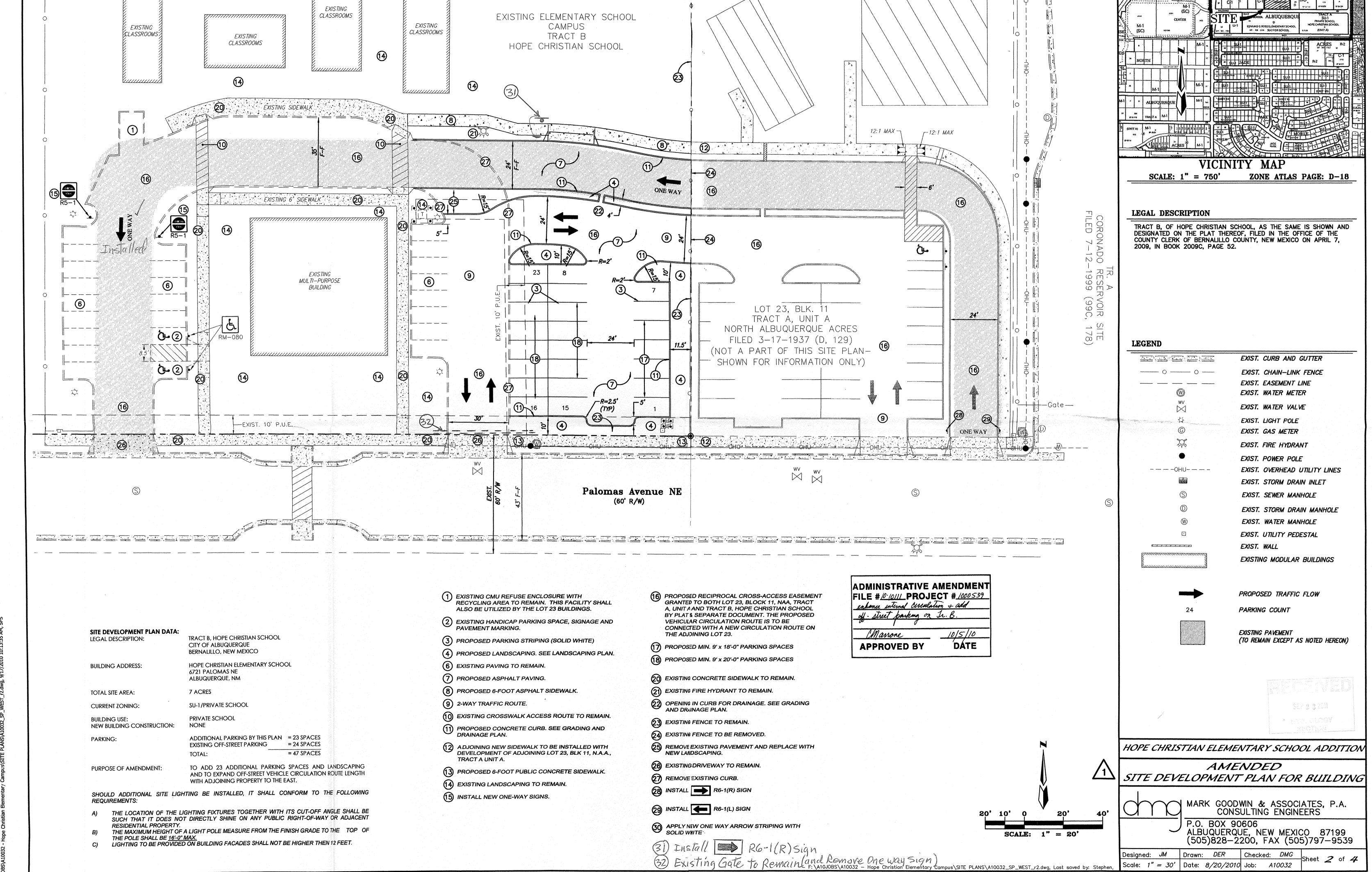
Date: 8/27/2010 Job: A10032

THE POLE SHALL BE 16'-0" MAX. LIGHTING TO BE PROVIDED ON BUILDING FACADES SHALL NOT BE HIGHER THAN 12 FEET

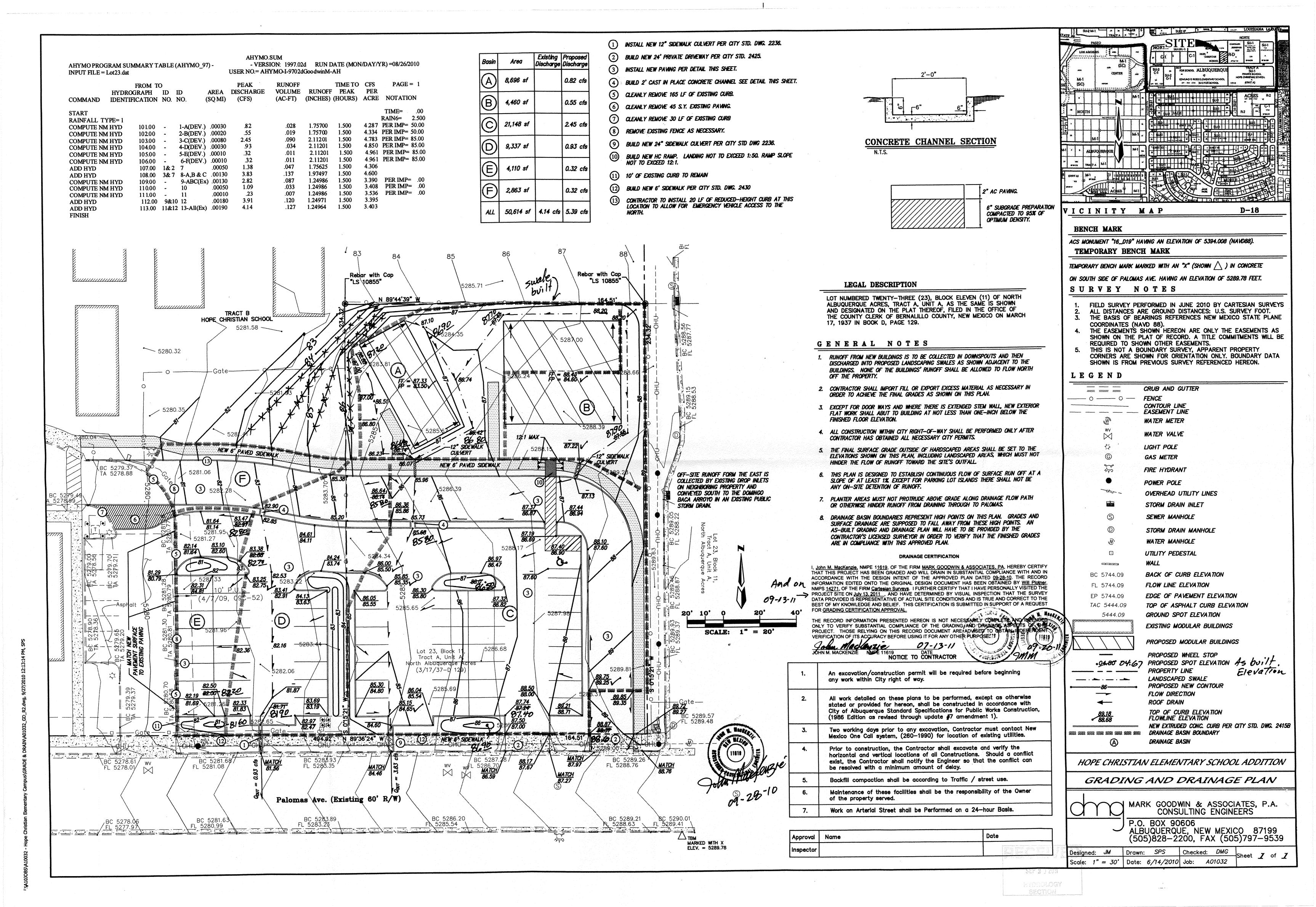
ABOVE FINISHED GRADE.



E: 1410100E: 410022 - Hong Children Elementary Campural CTTE DI ANCIA10022 CD WEST 12 dwg 9/17/2010 10:13:35 AM SPS



20 MA 20101.0107/21/0 much Co. Tropies on concessions of manner.



CALCULATIONS: Hope Elementary School - Building Addition 7-Jun-00 Calculations are based on the Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993 Note: The following calculations are provided to show the increase / decrease in flows due to the proposed construction. For overall site calculations, see the original DG Plan prepared by Dekker / Perich & Assiciates dated 11-1495 EXISTING CONDITIONS Existing Area 0.1 Ac. The following calculations are based on Treatment areas as shown in table to the right Sub-basin Weighted Excess Precipitation (see formula above) Weighted E = TREATMENT 1.54 in. Sub-basin Volume of Runoff (see formula above) A = 0% B= 57% V360 = 489 CF C= 0% Sub-basin Peak Discharge Rate: (see formula above) 43% 0.3 cfs DEVELOPED CONDITIONS 0.1 Ac. 3813 SF The following calculations are based on Treatment areas as shown in table to the right Sub-basin Weighted Excess Precipitation (see formula above) TREATMENT Weighted E = 2.34 in. Sub-basin Volume of Runoff (see formula above) A = 0% B= 1 V360 = 744 CF 1% C = 0% Sub-basin Peak Discharge Rate: (see formula above) D = --99%0.4 cfs

Total increase due to construction = 0.1 cfs which will free discharge to Palomas Ave. NE.

The proposed improvements include an approx. 2,900 sf. Commercial building addition with associated walks. The present site is a developed private school property located in North Albuquerque Acres, Albuquerque, New Mexico. Palomas Avenue abuts the property to the south. Paseo del Norte abuts the property to the north, developed commercial properties abut the site the east and west.

DRAINAGE PLAN CONCEPT

Per the approved Drainage / Grading plan for the original construction (prepared by Dekker/Perich & Associates, dated 11-14-95, the site detained a portion of flows from sub-basins 1 and 3 (see original plan). The majority of the proposed building addition will drain through a gutter system to the existing detention pond in sub-basin 1. A minor portion of the proposed building addition will free discharge to Palomas Avenue through sub-basin 2. Note: based on pre-design discussions with C.O.A. hydrology, the minor changes in flowrates (see calculations) due to the proposed construction will be allowed to discharge due to the imminent development of Palomas Avenue and additional downstream improvements.

The intent of this plan is to show:

Grading relationships between the existing ground elevations and proposed finished elevations in order to facilitate positive drainage to designated discharge

The extent of proposed site improvements, including buildings, walks and pavement.

The flow rate/volume of rainfall runoff across or around these improvements and methods of handling these flows to meet City of Albuquerque requirements for drainage management.

The relationship of on-site improvements with existing neighboring property to insure an orderly transition between proposed and surrounding grades.

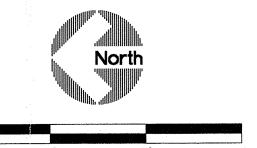
LEGAL: Lot 8-B, Block 11, Tract A, Unit A North Albuquerque Acres

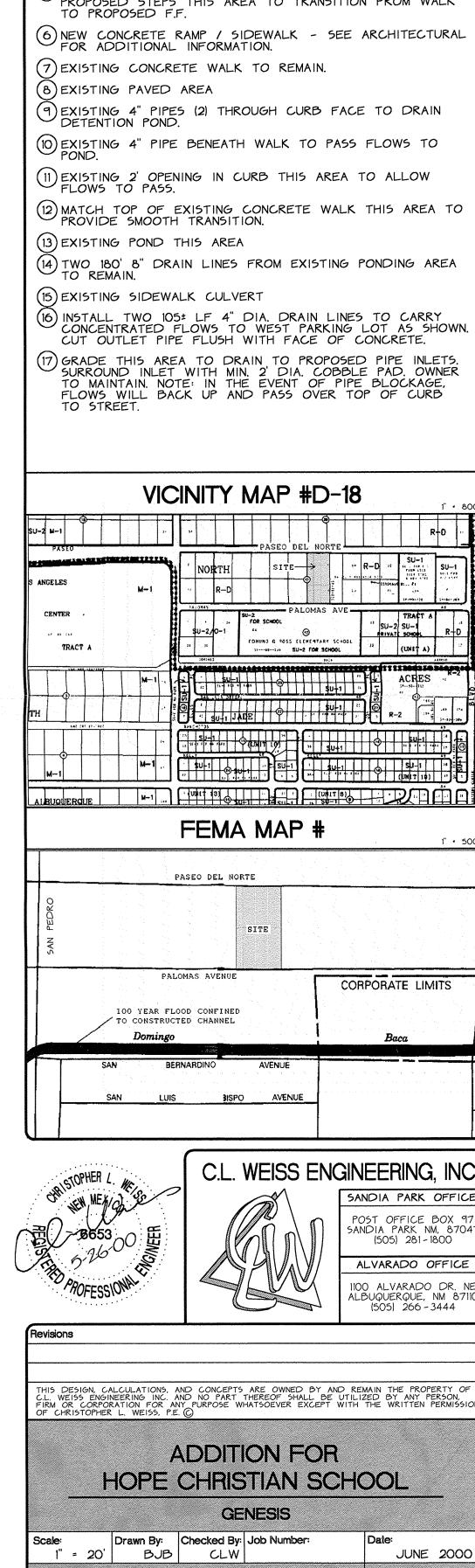
SURVEYOR: As-built spot elevations provided by Forstbauer Surveying Co. - June 2000

B.M.: ACS Brass Tablet "11-D18-1978" set in concrete flush with ground 69' south of the Paseo Del Norte centerline and 30.5' east of the San Pedro Dr. NE centerline. Elevation = 5235.67 (MSLD)

T.B.M.: FF of existing building. Elevation = 5276.60 (MSLD)







THIS PORTION OF THE PROPOSED ADDITION WILL DRAIN THROUGH UNDERWALK DRAIN PIPE TO EXISTING PAVEMENT TO THE NORTH. 4 CONSTRUCT CONCRETE STEPS TO TRANSITION BETWEEN EXISTING AND PROPOSED SIDEWALKS AT ELEVATIONS SHOWN. SEE ARCHITECTURAL FOR ADDITIONAL 5 SEE ARCHITECTURAL FOR DIMENSIONS / LOCATION OF PROPOSED STEPS THIS AREA TO TRANSITION FROM WALK TO PROPOSED F.F.

C.L. WEISS ENGINEERING, INC

COHUNG G POSS ELEMENTARY SCHOOL

KEYNOTES

PROPOSED BUILDING ADDITION, ROOF FLOWS TO BE CAPTURED WITHIN A GUTTER SYSTEM AND PIPED TO THE EXISTING PONDING AREA TO THE SOUTH.

(1) EXISTING BUILDING

SANDIA PARK OFFICE POST OFFICE BOX 97 SANDIA PARK NM, 8704

CORPORATE LIMITS

ALVARADO OFFICE 1100 ALVARADO DR. NE ALBUQUERQUE, NM 87110 (505) 266-3444

ADDITION FOR HOPE CHRISTIAN SCHOOL

GENESIS Drawn By: Checked By: Job Number: BJB CLW JUNE 2000 Drainage and C-1 Grading Plan SH.10F1

