



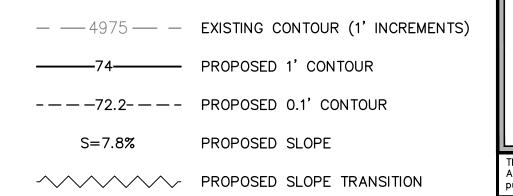
Know what's **below**.

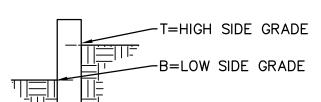
Call before you dig.

- PHASE I PAVEMENT. PROVIDE TEMPORARY CONCRETE TRANSITION PAVEMENT BETWEEN EXISTING AND PROPOSED CONSTRUCT. COORDINATE WITH LANDSCAPE ARCHITECT IN FIELD.
- CONSTRUCT 6" HIGH CONCRETE PINNED CURB PER C.O.A. STD. DWG. 2415-B (TYPE 1 PINNED CURB). SEE SITE PLAN FOR
- ADDITIONAL INFORMATION.
- PROVIDE SHALLOW DEPRESSION (4" TO 6" DEEP) WITHIN LANDSCAPING TO CAPTURE STORM WATER FOR WATER HARVESTING.
- CONSTRUCT NEW CONCRETE WALKS AT ELEVATIONS SHOWN. GRADEBREAKS INDICATES SLOPE CHANGES. SEE CONSTRUCTION PLAN SHEET 6 OF 19.
- 6. BASED ON PRE-DESIGN MEETING WITH CURTIS CHERNE (COA HYDROLOGY), DISCHARGE IS PERMITTED TO CONTINUE TO DRAIN ACROSS WALK TO EDITH BLVD.
- EXISTING DRAINAGE OPENING. CONTRACTOR TO CLEAR ANY OBSTRUCTION TO DRAINAGE.

5. 0.1' CONTOURS SHOWN THIS AREA TO CLARIFY GRADING.

- RETAINING (T=) AND BOTTOM OF RETAINING WALL (B=) ARE PROVIDED. SEE WALL AND STAIR ELEVATIONS (SHEET 16 OF 19) FOR ADDITIONAL HEIGHT / WALL / GUARDRAIL / DETAIL INFORMATION.
- 10. CONSTRUCT CONCRETE MOW CURB. SEE CONSTRUCTION PLAN SHEET 6 OF 19.
- 11. EXISTING TREE TO REMAIN. COORDINATE PROTECTION OF TREE WITH LANDSCAPE ARCHITECT.
- 12. EXISTING GRASS TO REMAIN IN AREAS </= 6:1 SLOPE. REGRADE IN AREAS > 6:1. COORDINATE WITH LANDSCAPE ARCHITECT.
- 13. GRADE LANDSCAPE AREAS ON THE NORTH AND WEST SIDES OF NEW PAVEMENT TO PROVIDE A SERIES OF SHALLOW (6" DEEP) WATER HARVESTING (WATER QUALITY RETENTION PONDS) TO CAPTURE STORM WATER FROM IMPERVIOUS PAVEMENT. EXCESS FLOW WILL CONTINUE TO OVERFLOW AT THE NORTHWEST CORNER TO FOLLOW THE HISTORIC FLOWPATH.





TEMPORARY PHASE TRANSITION PAVEMENT TEMPORARY PHASE

EDUCATION $1"=750'\pm$ -14&15 PROJECT DATA

VICINITY MAP

PROPERTY: THE SITE IS A FULLY DEVELOPED PUBLIC PARK PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP J-15. THE PARK IS BOUND TO THE EAST BY WALTER STREET NE, TO THE WEST BY EDITH BLVD. AND TO THE NORTH AND SOUTH BY DEVELOPED RESIDENTIAL PROPERTIES.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE ADA ACCESSIBLE RAMPS AND VARIOUS IMPROVEMENTS TO PLAY AREAS, GRASS FIELDS, RETAINING WALL TRANSITIONS, PLAYGROUND AND PICNIC

LEGAL: SANTA BARBARA PARK, ALBUQUERQUE, N.M.

BENCHMARK: "17-J14" A 3 1/4" ALUMINUM DISC SET FLUSH WITH THE TOP OF CONCRETE. PUBLISHED GRID COORDINATES (NAD 83 CENTRAL ZONE) N=,488,866.762, E=1,519,149.317, ELEV.=4957.484 (NAVD 1988), LATITUDE 35°5'29.65906"N, LONGITUDE 106°39'19.40075"W (WGS 84)

OFF-SITE: NO OFF-SITE DRAINAGE AFFECTS THIS PROPERTY.

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #35001C0332G, DATED SEPTEMBER 2008, THE SITE IS LOCATED WITHIN FLOODZONE 'X' (UNSHADED) DESIGNATED AS FLOOD INSURANCE RATE ZONES FOR AREAS OUTSIDE THE 0.2-PERCENT-ANNUAL-CHANCE FLOODPLAIN.

DRAINAGE PLAN CONCEPT:

THE SITE DEMOLITION AND NEW CONSTRUCTION WILL NOT SIGNIFICANTLY ALTER EXISTING DRAINAGE PATTERNS OR RATES. SITE DISCHARGE WILL CONTINUE TO PASS WEST TO EDITH BLVD.

PER A PRE-DESIGN MEETING WITH COA HYDROLOGY ENGINEER: CURTIS CHERNE P.E., A TEMPORARY ASPHALT CURB WILL BE INSTALLED ALONG THE NORTH EDGE OF THE EXISTING ASPHALT BASKETBALL PAVEMENT TO DEFLECT MINOR DISCHARGE TO EDITH BLVD. WHEN THIS PORTION OF THE PARK IS REDEVELOPED (PHASE II), A PERMANENT CURB WILL BE CONSTRUCTED. STORM WATER WILL CONTINUE TO DISCHARGE FORM THE SITE AS PER THE EXISTING RELEASE CHARACTERISTICS.

ENGINEER: ISAACSON & ARFMAN, P.A. 128 MONROE ST NE, ABQ. NM 87108

PHONE: (505) 268-8828

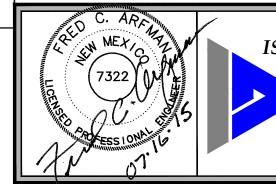
BOHANNAN HUSTON ROBERT LOCKMAN NMPS NO. 18331 COURTYARD 1

WATER QUALITY REQUIRMENTS

7500 JEFFERSON ST NE, ABQ. NM 87109

PER THE CITY OF ALBUQUERQUE DRAINAGE ORDINANCE, ALL NEW DEVELOPMENT PROJECTS SHALL MANAGE THE RUNOFF FROM PRECIPITATION WHICH OCCURS DURING THE 90TH PERCENTILE STORM EVENT - THE PRECIPITATION EVENT THAT IS LESS THAN OR EQUAL TO NINETY PERCENT OF ALL RAINFALL EVENTS IN A CALENDAR YEAR. THE ORDINANCE DEFINES THE 90TH PERCENTILE STORM EVENTS AS 0.44 INCHES AND THE REQUIRED STORAGE AS 0.34" [0.44" LESS 0.1" FOR INITIAL ABSTRACTION].

IN THE FULLY DEVELOPED CONDITION (FOLLOWING THE REMOVAL / REPLACEMENT OF THE EXISTING ASPHALT BASKETBALL COURTS — SEE SHEET CG-102), THE IMPERVIOUS AREA WILL BE 0.27 ACRES(±). THE REQUIRED STORMWATER RETENTION FOR THIS IMPERVIOUS AREA = 333 CF (BASED ON THE 0.34" REQUIREMENT).



ISAACSON & ARFMAN, P.A. Consulting Engineering Associates 128 Monroe Street N.E. Albuquerque, New Mexico 87108 Ph. 505-268-8828 www.iacivil.com

2081 CG-101.dwg Jul 16,2015

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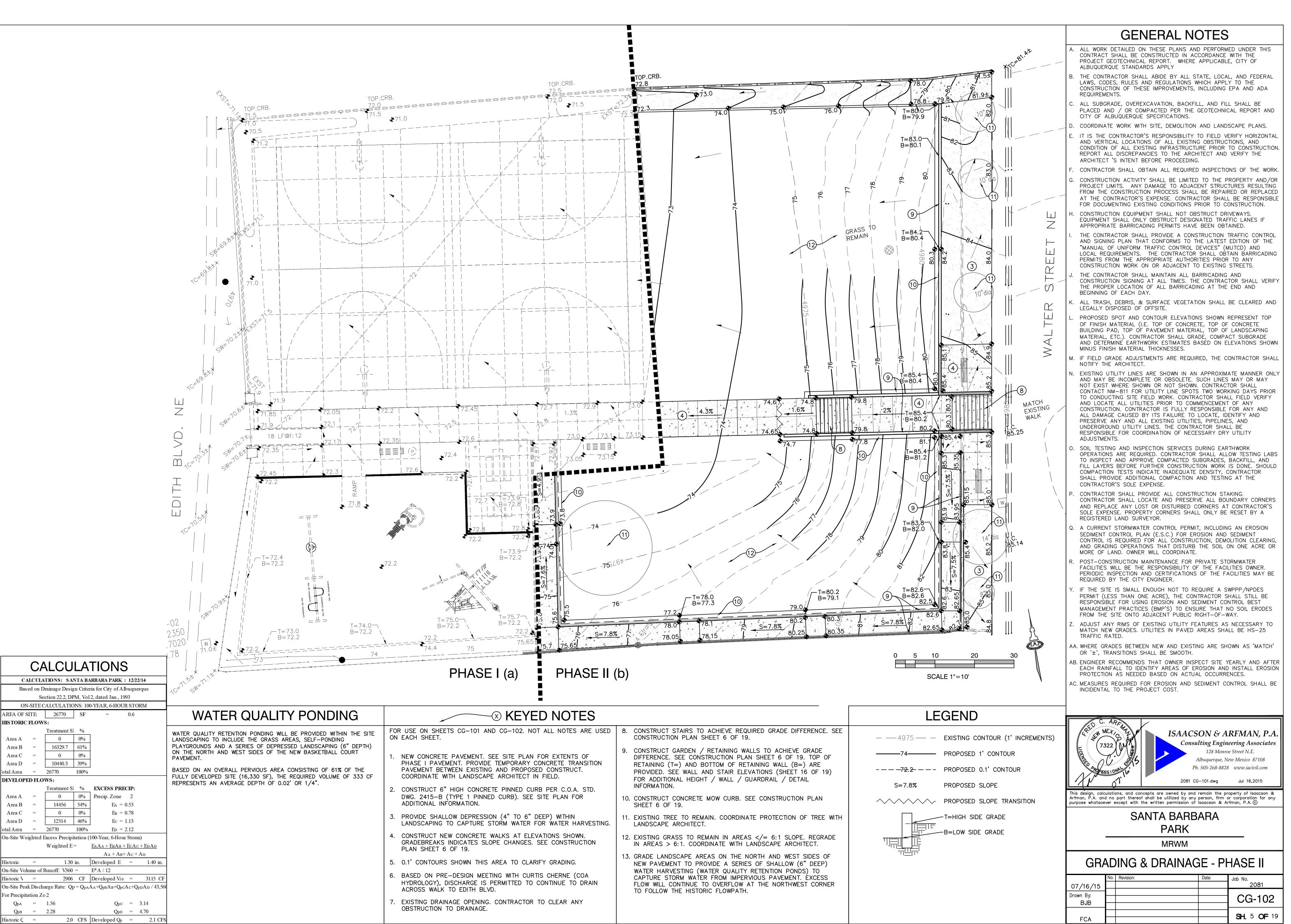
SANTA BARBARA **PARK**

GRADING & DRAINAGE - PHASE I

MRWM

	No.	Revision:	Date:	Job No.
07/16/15				2081
Drawn By:				
BJB				CG-101
DUD				
				SH. 4 OF 19
FCA				3H. + OF 19





AREA OF SITE:

Area A

Area B

Area C

Area D

otal Area

Area A

Area B

Area C

Area D

DEVELOPED FLOWS:

For Precipitation Zo 2

 $Q_{pA} = 1.56$

 $Q_{pB} = 2.28$

HISTORIC FLOWS:

26770

26770

CITY OF ALBUQUERQUE

August 5, 2015



Fred C. Arfman, P.E. Isaacson & Arfman, P.A. 128 Monroe St NE Albuquerque, New Mexico 87108

RE: Santa Barbara Park Improvements
Grading and Drainage Plan
Engineers Stamp Date 7/16/15 (J15-D097)

Dear Mr. Arfman,

Based upon the information provided in your submittal received 7/16/15, this plan is approved for Grading Permit and Paving Permit.

Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

Once the project is complete, send the hydrology department a PDF copy of the Asbuilt plan for our records.

PO Box 1293

If you have any questions, please contact me at 924-3695 or Rudy Rael at 924-3977.

Albuquerque

New Mexico 87103

www.cabq.gov

Sincerely,

Rita Harmon, P.E.

Senior Engineer, Hydrology

Planning Department

RR/RH C: File