

SITE LOCATION



### EROSION CONTROL MEASURES

- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION. HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE:
  - 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.
  - 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.
- 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.

### GRADING/DRAINAGE PLAN

THE FOLLOWING ITEMS CONCERNING (6110 SAN FRANCISCO DRIVE N.E.) LOT 13-B, BLOCK 6, TRACT A, UNIT A NORTH ALBUQUERQUE ACRES, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO ARE CONTAINED HEREON:

#### EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 0.232 ACRES MORE OR LESS, THE SITE IS LOCATED WEST OF THE INTERSECTION OF SAN PEDRO NE AND SAN FRANCISCO DR. N.E.. THE SITE IS AN INFILL SITE THAT IS FULLY DEVELOPED WITH CONCRETE PARKING AND OPENED CANOPIES. ACCORDING TO THE FLOOD INSURANCE RATE MAPS, PANEL 35001C0137H REVISED AUGUST 16, 2012, THIS SITE IS ENCRDACHED WITHIN THE STREET BY A ZONE AO (DEPTH 1') FLOOD ZONE.

#### PROPOSED CONDITIONS

AS SHOWN BY THE GRADING/DRAINAGE PLAN, THE PROJECT WILL CONSIST OF A PROPOSED 1,365 SQ.FT. METAL CANOPY WHICH WILL BE CONSTRUCTED OVER EXISTING CONCRETE SLAB. NO OFF-SITE FLOWS ENTER THE SITE FROM ANY DIRECTION. NO ADDITIONAL IMPERVIOUS AREA WILL BE CREATED. THE CALCULATIONS CONTAINED HEREON, ANALYZE BOTH THE EXISTING AND DEVELOPED 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.

EXISTING AND PROPOSED CANOPIES WILL BE GUTTERED INTO THE EXISTING 12" TROUGH

PROJECT AREA = 0.232 ac.  
6110 SAN FRANCISCO N.E.  
ZONE 2  
PRECIPITATION: 360 = 2.35 in.  
1440 = 2.75 in.  
10day = 3.95 in.

	EXCESS PRECIPITATION:	PEAK DISCHARGE:
TREATMENT A	0.53 in.	1.56 cfs/ac.
TREATMENT B	0.78 in.	2.28 cfs/ac.
TREATMENT C	1.13 in.	3.14 cfs/ac.
TREATMENT D	2.12 in.	4.70 cfs/ac.

	EXISTING CONDITIONS:	PROPOSED CONDITIONS:
TREATMENT A	0 ac.	0 ac.
TREATMENT B	0 ac.	0 ac.
TREATMENT C	0 ac.	0 ac.
TREATMENT D	0.232 ac.	0.232 ac.

#### EXISTING EXCESS PRECIPITATION:

$$\text{Weighted E} = (0.53 \times 0.00) + (0.78 \times 0.00) + (1.13 \times 0.00) + (2.12 \times 0.23) / 0.23 \text{ ac.} = 2.12 \text{ in.}$$
$$V_{100-360} = (2.12 \times 0.23) / 12 = 0.040987 \text{ ac-ft} = 1785 \text{ CF}$$

#### EXISTING PEAK DISCHARGE:

$$Q_{100} = (1.56 \times 0.00) + (2.28 \times 0.00) + (3.14 \times 0.00) + (4.70 \times 0.23) = 1.09 \text{ CFS}$$

#### PROPOSED EXCESS PRECIPITATION:

$$\text{Weighted E} = (0.53 \times 0.00) + (0.78 \times 0.00) + (1.13 \times 0.00) + (2.12 \times 0.23) / 0.23 \text{ ac.} = 2.12 \text{ in.}$$
$$V_{100-360} = (2.12 \times 0.23) / 12.0 = 0.040987 \text{ ac-ft} = 1785 \text{ CF}$$

$$V_{100-1440} = (0.04 \times 0.23) \times (2.75 - 2.35) / 12 = 0.048720 \text{ ac-ft} = 2122 \text{ CF}$$

$$V_{100-10day} = (0.04 \times 0.23) \times (3.95 - 2.35) / 12 = 0.071920 \text{ ac-ft} = 3133 \text{ CF}$$

#### PROPOSED PEAK DISCHARGE:

$$Q_{100} = (1.56 \times 0.00) + (2.28 \times 0.00) + (3.14 \times 0.00) + (4.70 \times 0.23) = 1.09 \text{ CFS}$$

NO INCREASE IN IMPERVIOUS AREA

### 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

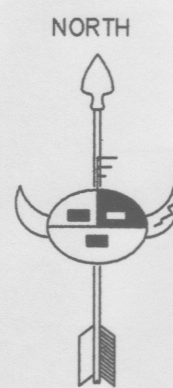
TOP OF CONC PAD	— TCP
TOP OF CURB	— TC
TOP OF ASPHALT	— TA
TOP OF BERM	— TB
BOTTOM OF POND	— BP
FINISHED FLOOR	— FF

BDC	=	BACK OF CURB
DC	=	DRIVECUT
DI	=	DRAINAGE INLET
EA	=	EDGE OF ASPHALT
EC	=	EDGE OF CONCRETE
FL	=	FLOW LINE
FP	=	FENCE POST
G	=	GROUND
HP	=	HIGH POINT

LOT 13B  
BLOCK 6, TRACT A, UNIT A  
NORTH ALBUQUERQUE ACRES  
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

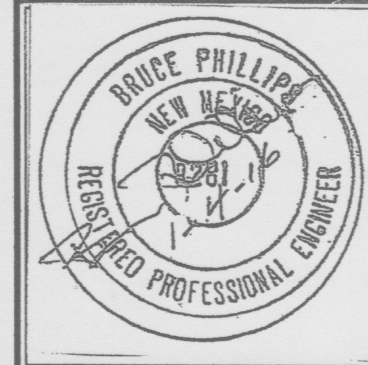
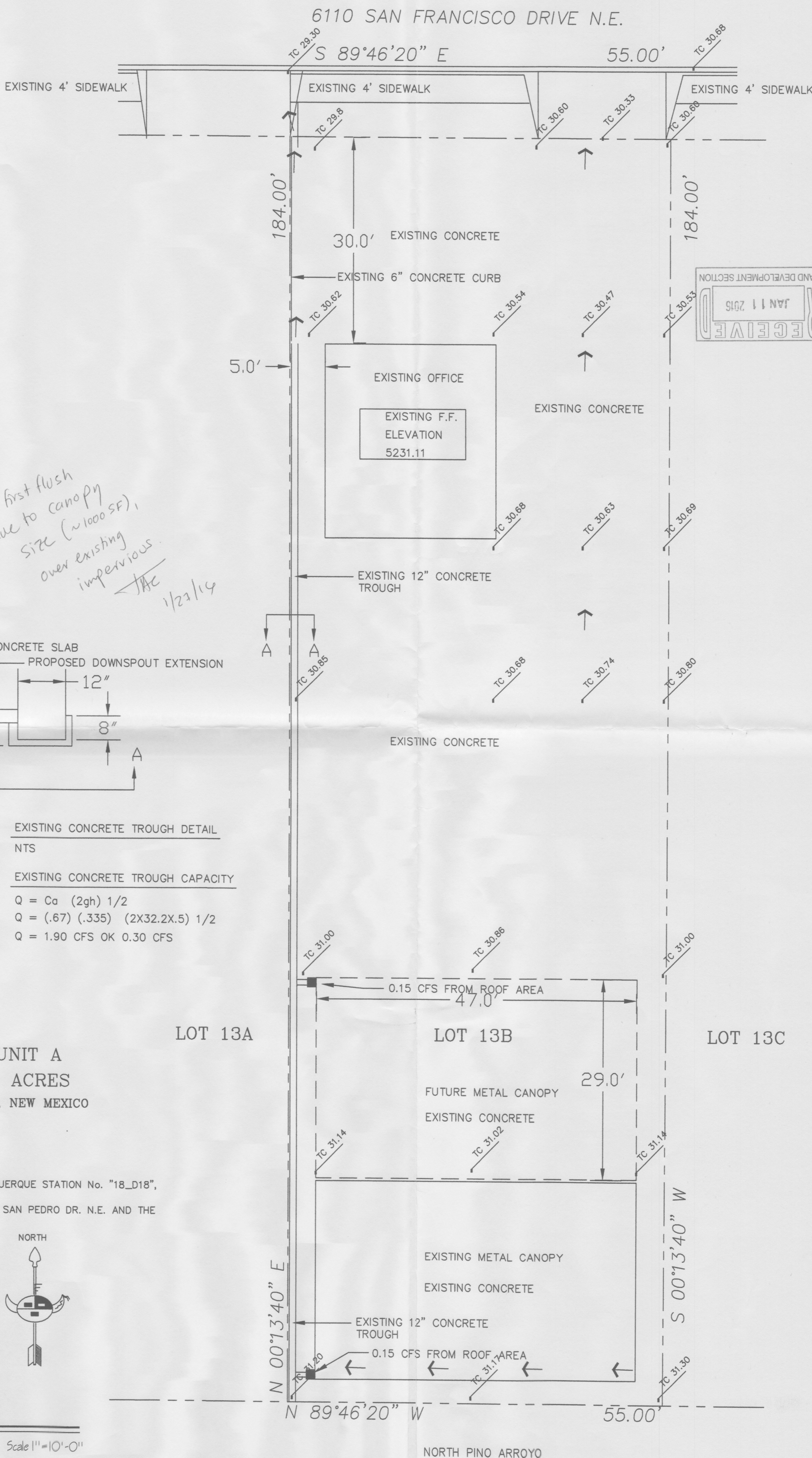
#### GENERAL NOTES:

- ELEVATION DATUM NAVD 1988
- ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION No. "18-D18", HAVING AN ELEVATION OF 5245.502 LOCATED IN THE SOUTHWEST QUADRANT OF SAN PEDRO DR. N.E. AND THE NORTH PINO ARROYO CHANNEL



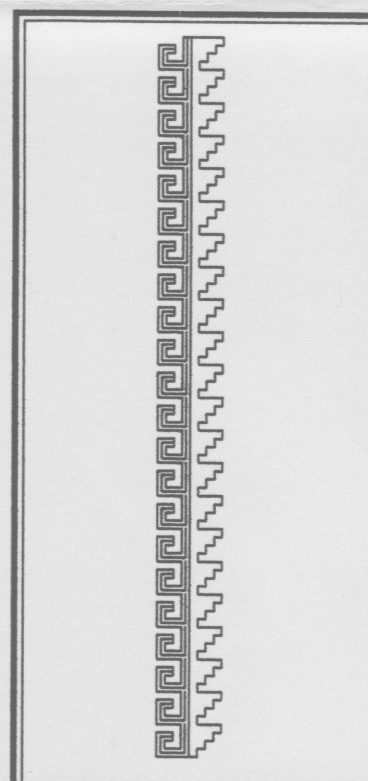
## GRADING & DRAINAGE PLAN

Scale 1"=10'-0"



JOB NO:	XXXXXX
DATE:	JANUARY 2016
REVISIONS	

Sheet Title	GRADING/ DRAINAGE PLAN	Checked By: BP
		Drawn By: BJM



Job Title	AS-BUILT & PROPOSED CANOPY ADDITION @ 6110 SAN FRANCISCO AVENUE N.E. ALBUQUERQUE, NEW MEXICO
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SHEET NO.	AD
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