- 4) The Water Quality pond in the center of the site still needs to be revised. The top elevation of 49.25 is adjacent to curb spot elevations of 51.5 and 52.5. Revise as needed.
- 5) Both the orifice plate detail and Detail "A" have been deleted from the previous submittal. Make sure to also add the size of the orifice on the detail itself that matches the drainage report and list invert elevation on actual detail, too.
- On the grading and drainage plan, change the verbage "tank" to "infiltrator". Now that multiple chambers are provided, revise the report accordingly on the trench detail which indicates "Multiple chambers not used for this application". For this new layout, show connection from pipe into infiltrator on the plan and show invert elevations at the connection. In lieu of having two bends on the north side it is recommended to make a direct connection into the westernmost series of infiltrators to prevent clogging up of the system.
- How does the site discharge at 1.30 cfs at elevation 5740 if the invert elevation of the downstream set of infiltrators is set at elevation 5740?
- 8) Since you have the excerpt from the original report showing the discharge of 4.7 cfs into the original system, also provide that for records for this project, too.
- 9) Because it is desired to retain first flush for east building, provide curb cuts for parking lot immediately to the west to have a first flush pond west of the parking lot. Then, any additional runoff can drain to the Type "C" inlet to the south.

If you have any questions, you can contact me at 924-3924.

Sincerely,

Jeanne Wolfenbarger, P.E. Senior Engineer, Planning Dept. Development Review Services Orig: Drainage file c.pdf Addressee via Email

CITY OF ALBUQUERQUE



June 30, 2015

David Soule, PE Rio Grande Engineering PO Box 93924 Albuquerque, NM 87199

RE: Sandia Area Credit Union and Starbucks, 11301 Montgomery Boulevard Grading and Drainage Plan Engineer's Stamp Date 6-29-2015 (File: F22-D002)

Dear Mr. Soule:

This plan is approved for DRB Action for Plat approval provided that the following is addressed and given as part of DRB submittal in advance:

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

1) The recent grading and drainage plan now shows proposed property lines. Because the north lot is proposed to drain through the system of 12-inch pipes and infiltrators to Montgomery Boulevard within the southern lot, provide private drainage easement from the property line to Montgomery Boulevard that encompasses this system which conveys the northern lot flows. Provide a wide enough easement to incorporate a minimum distance of 5 feet on either side of the proposed infrastructure for this system. Show this proposed easement on an exhibit along with the existing and proposed property lines and proposed drainage infrastructure for preliminary plat approval. Finalization of easement can be provided prior to final plat approval.

Prior to Building Permit approval, provide the following:

- 2) Provide benchmark and datum.
- 3) Revise proposed report volumes to match what is on the grading and drainage plan. On Sheet 4, a volume of 2379 cubic feet is listed which does not match the plan, and on the "Weighted E Method", the volumes listed for the infiltrators and for the temporary pond do not match what is on the plan.



City of Albuquerque

Planning Department

Development & Building Services Division

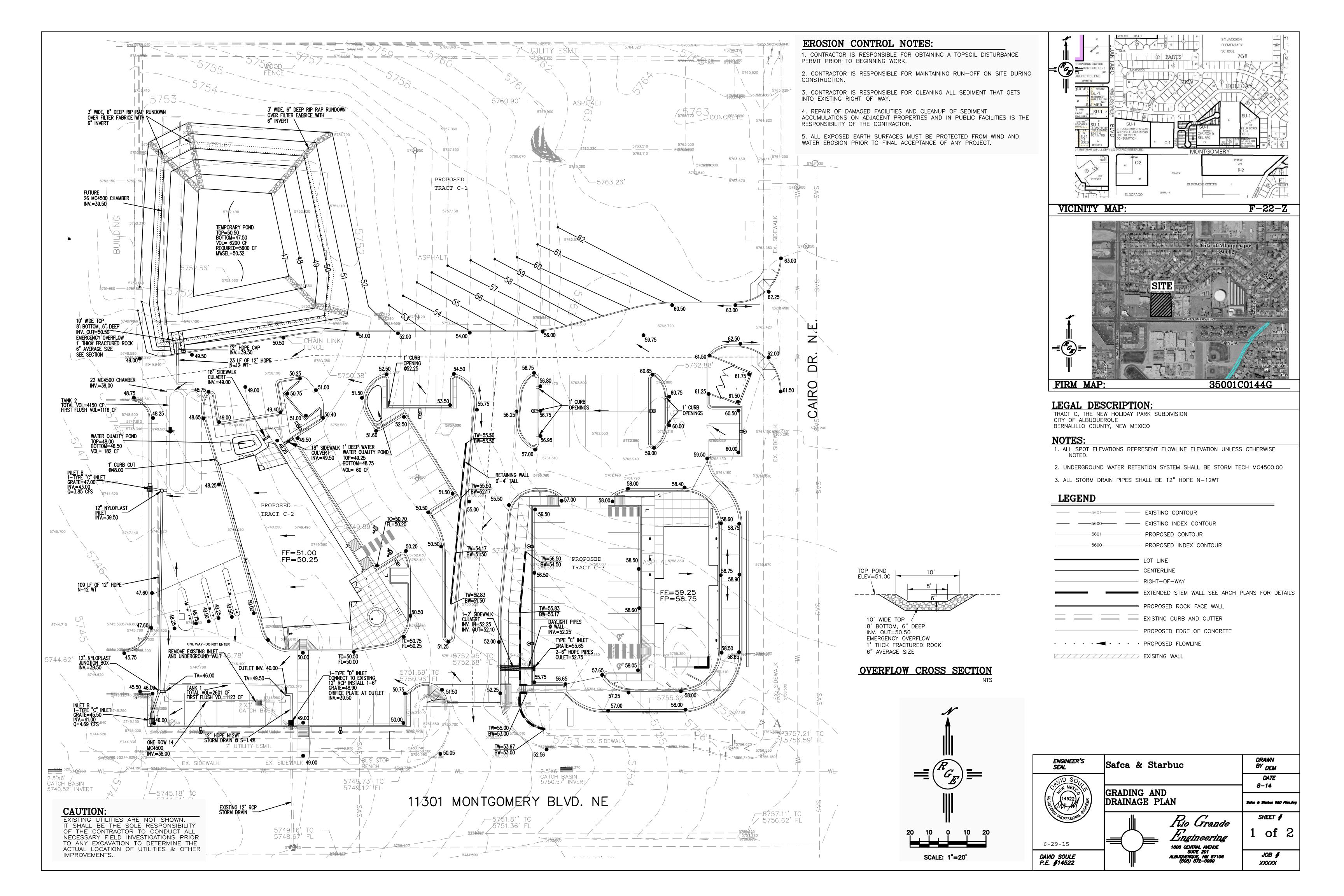
DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: sandia area federal credit union-starbucks	Building Permit #:	City Drainage #: f22-f002
DRB#: EPC#:		Work Order#:
Legal Description: lots 3a,3b,3c new holiday park		
City Address: 13101 montgomery ne		
Engineering Firm: RIO GRANDE ENGINEERING		Contact: DAVID SOULE
Address: PO BOX 93924, ALBUQUERQUE, NM 87199		
Phone#: 505.321.9099 Fax#: 505.3	872.0999	E-mail: DAVID@RIOGRANDEENGINEERING.COM
Owner: sandia area federal credit union		Contact:
Address:		<u> </u>
Phone#: Fax#:		E-mail:
Architect: slagle Herr		Contact:
Address:		
Phone#: Fax#:		E-mail:
Surveyor: CONSTRUCTION SURVEY INCORPORATED		Contact: JOHN GALLEGOS
Address:	-	
Phone#: 917.8921 Fax#:	· · · · · · · · · · · · · · · · · · ·	E-mail:
Contractor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARAN	
X DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APP	
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D	APPROVAL
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERM	IT APPROVAL
GRADING PLAN	SECTOR PLAN APPROVAL	
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL	
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPA	ANCY (PERM)
CLOMR/LOMR	CERTIFICATE OF OCCUPA	,
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AI	•
ENGINEER'S CERT (TCL)	X BUILDING PERMIT APPRO	
ENGINEER'S CERT (DRB SITE PLAN)	× GRADING PERMIT APPRO	OVAL SO-19 APPROVAL
ENGINEER'S CERT (ESC)	PAVING PERMIT APPROV	AL ESC PERMIT APPROVAL
SO-19	WORK ORDER APPROVAL	
OTHER (SPECIFY)	GRADING CERTIFICATION	
WAS A PRE-DESIGN CONFERENCE ATTENDED:	Yes X No Co	opy Provided
DATE SUBMITTED: 6/29/15	By:	

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following

- 1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
- 2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5) acres
- 3. Drainage Report: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
- 4. Erosion and Sediment Control Plan: Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development



RIO GRANDE ENGINEERING OF NEW MEXICO, LLC

June 29, 2015

Ms. Jeanne Wolfenbarger,PE Senior Engineer, Planning Department Development Review City of Albuquerque

RE: Grading and Drainage Plan

F22-D002

Sandia Area Credit Union

Dear Ms. Wolfenbarger:

The purpose of this letter is to accompany the revised drainage submittal. The plan has been modified to address your written comments dates June 19 2015. The following is a response to your comments

- 1. We have added the max water surface elevation to the temporary pond.
- 2. We have added the first flush label on the tanks and labeled the number of tanks
- 3. We have added note stating all the pipes are 12" HDPE N12-WT
- 4. We have added a detail for the emergency overflow.
- 5. We have revised the pond elevation to match surrounding elevations.
- 6. We have revised the pond elevations to match the surrounding elevations
- 7. We have added invert elevations to the sidewalk culverts
- 8. We have shown the property lines on the plan and included a copy of the plat

Should you have any questions regarding this submittal, please do not hesitate to call me.

Sincerely.

David Spule, PE

Rio Grande Engineering

PO Box 93924

Albuquerque, New Mexico 87199

David Soule

From:

Wolfenbarger, Jeanne [jwolfenbarger@cabq.gov]

Sent:

Friday, June 19, 2015 4:08 PM

To:

'David Soule'

Subject:

F22-D002 (Sandia Area Federal Credit Union/Starbucks)

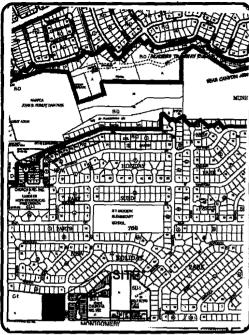
Importance: High

David,

I have reviewed the latest drainage submittal and still need to have the following comments addressed prior to approval:

- 1. If the temporary pond is now sized to handle the 100-year 10-day storm runoff, label the WSEL Elevation within the pond on the plan view. Y
- 2. On the actual grading and drainage plan view, label the first flush volume for each run of the storm chambers that corresponds with drainage write-up. Also, label the total volume provided by the storm chambers on the plan view that corresponds with the drainage write-up. (Provide this information directly under the label showing number of storm chambers for each run of the storm chambers.)
- 3. Label all pipe sizes on the plan. There are some short pipe runs especially from the that are missing pipe size call-outs.
- 4. Provide detail for the 10-foot by 6" emergency overflow from the temporary pond. List the elevations. (It would make sense that the above invert elevation within the pond is above the WSEL Elevation from the upstream pond when labeling it.) \checkmark
- 5. On the water quality pond in the middle of the site, the top elevation of 49.25 is far lower that the adjacent curb cut elevation opening of 52.25 and other adjacent curb elevations. Revise as necessary.
- 6. On the water quality pond on the west side of the site, there are top of pond elevations of 46.5 shown where the adjacent sidewalk would be approximately 4 feet higher based on the adjacent curb flowline elevations, and the adjacent building is also approximately 4 feet higher. Revise as necessary.
- 7. There are new 18-inch sidewalk culverts called out on the plan near the water quality pond to the west that have no elevation information listed. Also, how does water drain from the other 18-inch sidewalk, culvert to this one? Provide a couple more spot elevations for information.
- 8. When you mention the cross-lot drainage easements in the write-up, there is only one parcel. (?)

Jeanne



ZONE ATLAS F-22-Z NOT TO SCALE

PURPOSE OF PLAT:

THE PURPOSE OF THIS PLAT IS TO CREATE THREE (S) TRACTS FROM ONE (1), GRANT ADDITIONAL PUBLIC RIGHT OF WAY TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE TITLE WITH WARRANTY COVERANTS, GRANT ADDITIONAL PUBLIC UTILITY EASEMENTS AND GROSS LOT HIXATE DRAINAGE, RECIPROCAL PARKING, PRIVATE ACCESS EASEMENTS AND CROSS LOT FRIVATE DRAINAGE, RECIPROCAL PARKING, PRIVATE ACCESS EASEMENT, A

1. BEARINGS ARE GRID BASED---NEW MEXICO STATE PLANE CENTRAL ZONE (NAD

2. ALL DISTANCES SHOWN ARE GROUND DISTANCES.

3. ALL BOUNDARY CORNERS IDENTIFIED AS "SET", ARE 5/5" REBAR WITH CAP STAMPED "PS 21082", AND DEPICTED AS NOTED UNLESS OTHERWISE INDICATED.

4. BEARINGS AND DISTANCES IN () ARE RECORD

SUBDIVISION DATA:

ZONE ATLAS INDEX NO. F-22-Z DATE OF FIELD SURVEY: JANUARY 2015 TOTAL NO. OF TRACTS EXISTING_1 TOTAL NO. OF TRACTS CREATED 3
GROSS SUBDIVISION ACREAGE 3.10724 ACRES
TOTAL RIGHT-OF-WAY DEDICATION ACREAGE 0.07003 ACRES

DOCUMENTS USED:

THE NEW HOLIDAY PARK, VOL D4, FOLIO 57

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON

UNIFORM PROPERTY CODE #

BERNALILLO COUNTY TREASURE'S OFFICE:

LEGAL DESCRIPTION

TRACT I ETTERED "C" OF THE NEW HOLIDAY PARK AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY ON JANUARY 15, 1970 IN PLAT BOOK D4, FOLIO 57.

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE

PUBLIC SERVICE COMPANY OF NEW MEXICO ("PINIF"), A NEW MEXICO CORPORATION, (PINIF ELECTRIC)
FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF CYCRIFEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMER, AND OTHER EQUIPMENT RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICES

NEW MEXICO GAS COMPANY FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS SERVICES.

QMEST CORPORATION D.B.A. CENTURY LINK QC FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES.

COMCAST FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE SERVICES.

INCLUDED, IS THE RIGHT TO REBUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, REPLACE, MCDIFY, RENEW, OPERATE AND MAINTAIN FACILITIES FOR PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAUDESSEMENT, WITH THE RIGHT AND PRIVILEGED OF GOING UPON, OVER AND ACROSS ADJOINING LANDS OF "GRANTOK" FOR PURPOSES SET FORTH HEREIN AND WITH THE RIGHT TO UTILIZE THE RIGHT OF WAY AND EASEMENT TO EXTEND SERVICES TO CUSTOMERS OF "GRANTEE", INCLUDING SUFFICIENT WORKING SPACE FOR ELECTRICAL TRANSFORMERS, WITHIN THE RIGHT AND PRIVILEGE TO TRIM AND REMOVE TREES, SHRUBS OR HOSPICATION OF THE THE PURPOSES SET FORTH HEREIN, NO BUILDING, SIGN, POOL (ABOVEGROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE BY CONSTRUCTION OF POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO OR NEAR EASEMENTS SHOWN ON PLAT.

IN APPROVING THIS PLAT, PUBLIC SERVICE COMPANY (PMM), NEW MEXICO GAS COMPANY (NINGC), CENTURY LINK AND COMCAST DID NOT CONDUCT A TITLE SEARCH OF THE PROPERTIES BHOMN HEREON, CONSEQUENTLY PUBLIC SERVICE COMPANY (PMM), NEW MEXICO GAS COMPANY (PMGC), CENTURY LINK AND COMCAST DO NOT WAIVE OR RELEASE ANY EASEMENTS OR ANY EASEMENTS RIGHTS WHICH MAY HAVE BEEN GRANTED BY A PRIOR PLAT, RE-PLAT OR ANY OTHER DOCUMENT AND WHICH ARE NOT SHOWN ON THIS PLAT

FREE CONSENTA DEDICATION

THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) OF THE LAND HEREIN DESCRIBED AND BEING COMPRISED OF TRACT C OF THE NEW HOLIDAY PARK, CITY OF ALBIQUERGUE, BERNALLIC COUNTY, NEW MEDICO, DO HEREBY CONSENT OT THE SUBDIVISION OF THE PROPERTY AS SHOWN AND THE NEW MEAUCH, DU PRICES I CONSENT AND IN ACCOMBANCE WITH THE PROPERTY AS SHOWN AND THE SAME IS WITH THE FREE CONSENT AND IN ACCOMBANCE WITH THE OBSERS OF THE UNDERSIONED OMNERS) ANDOR PROPRIETOR(S) AND SAID OWNERS) ANDOR PROPRIETOR(S) WARRANT THAT THEY HOLD AMONG THEM COMPLETE AND INDEFEASIBLE TITLE IN FEE SIMPLE TO THE PROCE(S) HEREIN BED AND DEDICATE RIGHT OF WAY TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS AND GRANT ANY EASEMENTS AS SHOWN HEREON AND CONSENT TO THE VACATION OF ALL EASEMENTS SHOWN HEREON. SAID OWNERS) AND/OR PROPRIETORIS) DO HEREBY THAT THEY ARE SO AUTHORIZED TO ACT.

ACKNOWLEDGMENT

STATE OF

COUNTY OF Bernalillo)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THIS 14th DAY OF MIN 2015, BY SCOTT CONNEY.

NOTARY PUBLIC: 0 29 2018 MY COMMISSION EXPIRES:

SOLAR COLLECTION NOTE:

PER SECTION 14-14-4-7 OF THE SUBDIVISION ORDINANCE

NO PROPERTY WITHIN THE AREA OF THIS PLAT SHALL AT ANY TIME BE SUBJECT TO DEED RESTRICTION, COVENANT OR BUILDING AGREEMENT PROHIBITING SOLAR COLLECTORS FROM BEING INSTALLED ON BUILDING OR BEING ERECTED ON THE LOTS OR PARCELS WITHIN THE AREA OF THIS PLAT. THE FOREOUNG REQUIREMENT SHALL BE A CONDITION TO THE APPROVAL OF THIS PLAT.

SHEET INDEX

PAGE 1. COVER PAGE 2. SUBDIVISION PLAT

SUBDIVISION PLAT OF TRACTS C-1. C-2 AND C-3 THE NEW HOLIDAY PARK

BEING A RE-PLAT OF TRACT "C"

THE NEW HOLIDAY PARK PROJECTED SECTION 34. T 11 N. R 4 E. N.M.P.M. **ELENA GALLEGOS LAND GRANT** CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO JANUARY 2015

CITY APPROVALS:	
CITY SURVEYOR Soren M. Rimhooks P.S.	5/26/15
TRAFFIC ENGINEERING, TRANSPORTATION DIVISION	DATE
UTILITIES DEVELOPMENT	CATE
PARKS AND RECREATION DEPARTMENT	DATE
AMAF.CA	DATE
ABCWLIA	DATE
CITY ENGINEER	DATE
DRB CHAIRPERSON, PLANNING DEPARTMENT	DATE
REAL PROPERTY DIVISION .	DATE
UTILITY APPROVALS:	
PNM ELECTRIC SERVICES	DATE
NEW MEXICO GAS	DATE
QWEST CORPORATION D.B.A. CENTURY LINK QC	DATE
COMCAST	DATE

SURVEYOR'S CERTIFICATE:

DEC IECT AS IMPED

I. DAVID P ACOSTA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21082, DO HEREBY CERTIFY , DAVID PACSIA, NEW MEACUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WAS PERFORMED BY ME OR UNDER NO DIRECT SUPERVISION; ALEQUETS THE MINIMUM REQUIREMENTS FOR MOMENTATION AND SURVEYS OF THE CITY OF A BUQUERQUE SUBDIVISION ORDINANCE; FOR MOMIMENTATION AND SURVEYS OF THE CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE, SHOWS ALL ASSEMENTS ON SUBJECT TRACTIS) AS SHOWN ON THE PLAT OF RECORD OR MADE KNOWN TO ME BY THE DIWNER'S; UTILITY COMPANIES OR OTHER PARTIES EXPRESSING AN INTEREST; MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTIAN FOR PROFESSIONAL ENGINEERS AND SURVEYORS EFFECTIVE MAY 1, 2007, AND THAT STATING AND CORRECT TO THE BEST OF MY KNOWLEDGE AND SET IES. AND BELIEF.

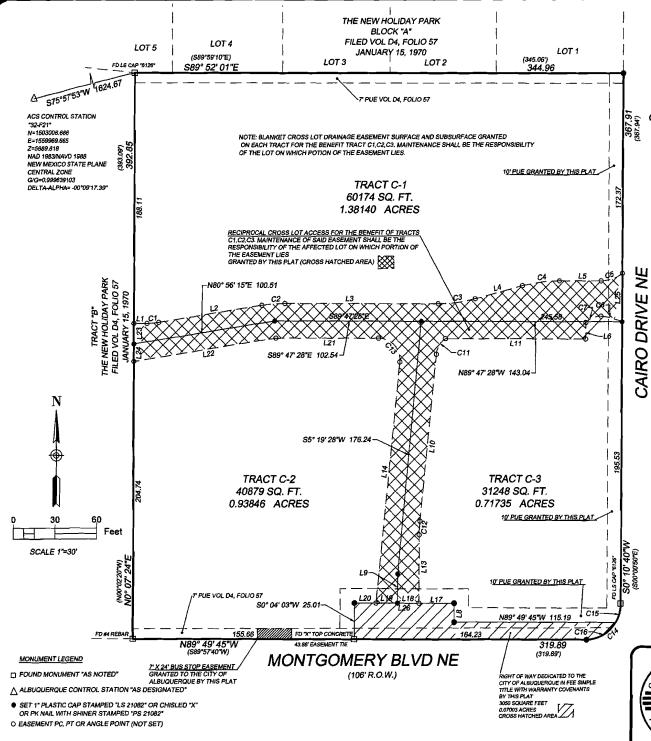
DAVID P. ACOSTA, NMPLS NO.



CONSTRUCTION SURVEY TECHNOLOGIES, INC.

MAILING: PO BOX 65395, ALBUQUERQUE, NM 67193 503 OFFICE: 1606 CENTRAL AVE SE. SUITE 101. ALBUQUERQUE, NM 87106

PAGE 1 OF 2



SUBDIVISION PLAT OF

TRACTS C-1, C-2 AND C-3 THE NEW HOLIDAY PARK

BEING A RE-PLAT OF TRACT "C"

THE NEW HOLIDAY PARK

PROJECTED SECTION 34, T 11 N, R 4 E, N.M.P.M.
ELENA GALLEGOS LAND GRANT

CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO JANUARY 2015

	LINE TABLE			
Line #	Length	Direction		
L1	9.21	N89° 47' 28"W		
1.2	73.81	S80° 51' 07"W		
L3	107.19	N89° 47' 28"W		
1.4	34.82	S75° 02' 24"W		
L5	29.89	N89" 47" 28"W		
L6	11.50	S0° 53' 18"W		
L8	13.10	S0* 05' 09"W		
L9	20.26	S0* 12' 32"W		
L10	116.38	S5* 38' 08"W		
L11	99.60	S89* 47' 28*E		
L13	47.54	50° 12' 32"W		
L14	168.29	N5° 38' 08'E		
L17	24.94	N88° 49' 45"W		
L18	15.01	N89° 49' 45"W		
L19	15.07	N89° 49' 45'W		

LINE TABLE				
Line#	Length	Direction		
L20	15.04	589° 49' 45'E		
L21	71.75	S89* 47' 28*E		
L22	101.52	\$80° 51' 07"W		
L23	14.37	S3° 03' 21"E		
L24	12.16	S0' 07' 24"W		
L25	33.52	S0° 10' 40'W		
L26	70.07	N89" 49' 45"W		

	CURVE TABLE					
Curve #	Length	Redius	Delta	Chord Direction	Chord Length	
C1	8.17	50.00	9"21"24"	N85° 31' 49"E	8.16	
C2	16.33	100.00	9*21'24*	S85° 31' 49"W	16.31	
C3	26.47	100.00	15°10′08*	N82° 37' 28"E	26.40	
C4	26.47	100.00	15°10'08"	582° 37' 28"W	26.40	
C5	16.52	25.06	37°46'27"	N71° 10' 46"E	16.23	
C6	15.87	55.34	16*26'01*	N76° 08' 39"W	15.82	
C7	11.90	14.56	46°50'27*	S68° 45' 13"W	11.57	
C11	13.09	15.00	49"58"52"	S30° 37' 34"W	12.67	
C12	9.47	100.00	5°25'37"	S2° 55' 20"W	9.47	
C13	24.98	15.00	95°25'37"	N42" 04' 40"W	22.19	
C14	39.15	25.00	89°42'50"	\$44° 38' 08"W	35.27	
C15	13.94	25.00	31°57'05"	N15° 45' 16"E	13.76	
C16	25.20	25.00	57*45'44"	N60° 36' 41"E	24.15	



CONSTRUCTION SURVEY TECHNOLOGIES, INC

MALING: PO BOX 65395, ALBUQUERQUE, NM 67193-505.917-6921 OFFICE: JGOS CENTRAL AVE 5E, SUITE 101, ALBUQUERQUE, NM 67106 NMSURVEYOR/GROWALLCOM