

City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 4, 1994

J. Arsenio Martinez rodriguez & Associates 12800 San Juan NE Albuquerque, NM 87123

> RE: ENGINEER CERTIFICATION FOR COORS/CENTRAL SHOPPING CENTER MINI WAREHOUSES (K10-D18A) CERTIFICATION STATEMENT DATED 4/28/94.

Dear Mr. Martinez:

Based on the information provided on your April 28, 1994 submittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to conta me at 768-2667.

Sincerely,

Dernue Bernie J. Montoya, CE Engineering Associate

BJM/d1/WPHYD/8500

Andrew Garcia File

= THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER =

DRAINAGE INFORMATION SHEET

RB #: EPC # N	OUSE ZONE ATLAS/DRNG. FILE #: K-10/4/8/
EGAL DESCRIPTION: TRACT	HUBBELL PLAZA
CITY ADDRESS: AIRPORT /	DRIVE N.W. (141 GIPPOT NW)
NCINEEDING EIDM.	TIMEZ, P.E. MR. MARTINEZ. CONTACT: MR. RODRIGUEZ.
1-1 C/11 D/A11 A	7/23 PHONE: 294-0320
WINER: COORS/CENTRAL, LTD	
OWNER: COOKS/CONTRAC, C.TO	CONTACT:
ADDRESS:	PHONE:
ARCHITECT:	CONTACT:
ADDRESS:	PHONE:
SURVEYOR: TORKES SURVEYING C	CONTACT: MR. JIM TORKES
1570 BUDGE BUYD	S.W. PHONE: 281-5076
ADDRESS:	PHONE: Co, DO IS
CONTRACTOR:	CONTACT:
ADDRESS:	PHONE:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	S. DEV. PLAN FOR SUB'D. APPROVAL
GRADING PLAN	S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
EROSIC CONTROL PLAN	SECTOR PLAN APPROVAL
ENGINEER'S CERTIFICATION	FINAL PLAT APPROVAL
OTHER	FOUNDATION PERMIT APPROVAL
	BUILDING PERMIT APPROVAL
PRE-DEC GN MEETING:	CERTIFICATE OF OCCUPANCY APPROVAL
YES	GRADING PERMIT APPROVAL
NO	PAVING PERMIT APPROVAL
COPY PROVIDED	S.A.D. DRAINAGE REPORT
GOTT TROVIDED	DRAINAGE REQUIREMENTS
	SUBDIVISION CERTIFICATION
	OTHER (SPECIFY)



406207

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Coors Central Shopping Center Z	
LEGAL DESCRIPTION: Northwest corner of Tract A	-1, Hubbell Plaza
CITY ADDRESS:	
ENGINEERING FIRM: Easterling & Associates, Inc	Douglas W. Copeland, P.E.
ADDRESS: 5643 Paradise Blvd., NW, Alb. 87	114 PHONE: 898-8021
OWNER: Coors Central, Ltd.	CONTACT: Greg Foltz
ADDRESS: 3615 Rio Rancho Blvd., NW, Alb.8	7048PHONE: 897-7227
ARCHITECT: de la Torre-Rainhart, Architects	CONTACT: Jorge de la Torre
ADDRESS: 700 Lomas Blvd., NE, Ste. 200, 8	
SURVEYOR: JAYNES CORP.	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR: Jaynes Corporation	CONTACT: Rick Marquardt
ADDRESS: 2906 Broadway, NE, Alb., 87125	PHONE: 345-8591
X NO	DRB NO EPC NO PROJ. NO
	Me
TYPE OF SUBMITTAL: CHE	SKETCH FLAT APPROVAL PRELIMINARY PLAT APPROVAL
DRAINAGE REPORT	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	SITE DEVELOPMENT PLAN APPROVAL
GRADING PLAN	FINAL PLAT APPROVAL
EROSION CONTROL PLAN	BUILDING PERMIT APPROVAL
X ENGINEER'S CERTIFICATION	_ FOUNDATION PERMIT APPROVAL
<u>_X</u>	CERTIFICATE OF OCCUPANCY APPROVAL
g=60 16 16 16 16 16 16 16 16 16 16 16 16 16	ROUGH GRADING PERMIT APPROVAL
	GRADING/PAVING PERMIT APPROVAL
	OTHER (SPECIFY)
DATE SUBMITTED: 7/8/88 BY: DOUGLAS W. Coperus	

EASTERLING & ASSOCIATE., INC.
5643 Paradise Bivd. NW
ALBUQUERQUE, NEW MEXICO 87114

(505) 898-8021

TAYMES CORP.

ATTN: DEAN BUGG

C.C. KeBerston & delitable /RANTHACT COORS & CENTRAL
CORES FOLTE

FOLL 'N-UP DATE 706207

Subject BXDGK-MINI-Subject BXDGK-MINI-LAREHOUSES CO

DEAN- 1 HAVE VISITED THE SUBJECT SITE

PAID OFFER THE SOLUTIONS TO THE

PROBLEMS YOU HAVE RAISED IN YOUR MAY 3

LETTER, COPIES OF MY SKETCHER

ARE ATTACHED FOR YOUR REVIEW.

YOU WILL NEED TO INFORM THE OWNER

AND ARCH. IF YOU CONSIDER THESE

FOR CHANGES SIGNIFICANT FNOUGH!

TO REPUEST CONTRACT CHANGE OFFICE.

YOU SHALL OBTAIN FINA PAPADONAL

FROM THE OWNER PRIOR TO BEGINNING

CONISTRUCTORY. LET ME KNOW IF

I CAN BE OF FRATER HELP.

Borac 4 mours

1. Copy of DEAN BUGS CONSTITUTION
2. MAD, PLAN VIEW AD X-SHOROLOGY SECTION

OF WEST END BLOG. A.

3. SKETCH OF EAST END BIDGA.

Please reply

■ No reply necessary

BIGNEY DUCASA. CO

MMT 0.8.1388

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City of Albuquerque P.O. BCX 1293 ALBUQUERQUE, NEW MEXICO 87103

CHIEF ADMINISTRATIVE OFFICER

DEPUTY CAO DEVELOPMENT & ENTERPRISE SERVICES

DEPUTY CAO PUBLIC SERVICES DAN WEAKS

GENE ROMO

LARRY LARRANAGA

July 19, 1988

Douglas W. Copeland, P.E. Easterling & Associates, Inc. 5643 Paradise Boulevard, NW Albuquerque, New Mexico 87114

> RE: REVISED DRAINAGE PLAN FOR CERTIFICATE OF OCCUPANCY MINI-WAREHOUSES @ COORS & CENTRAL SHOPPING CENTER (K-10/D18A) CERTIFICATION STATEMENT DATED JULY 8, 1988

Dear Mr. Copeland

Based on the information provided on your submittal of July 8, 1988, the above referenced drainage plan is approved for Certificate of Occupancy

If I can be of further assistance, please feel free to call me at

Engineering Assistant

BJM/bsj

AN EQUAL OPPORTUNITY EMPLOYER

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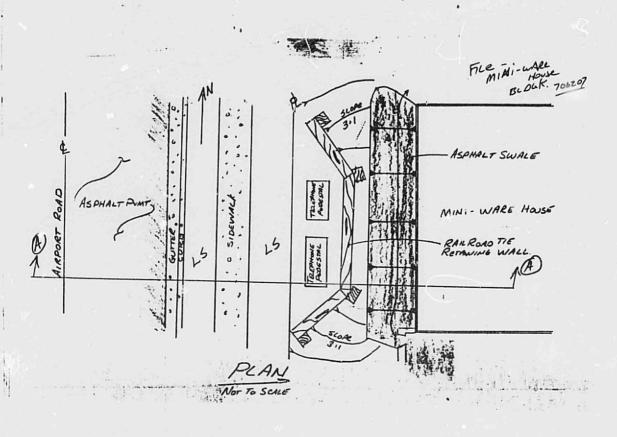
LETTER OF TRANSMITTAL EASTERLING & ASSOCIATES, INC. 5643 Paradise Blvd. NW ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021 CITY Hy DRuhogy COORS CENTRAL WE ARE SENDING YOU Attached □ Under separate cover via_ __the following items: ☐ Plans □ Specifications ☐ Prints □ Samples ☐ Shop drawings ☐ Copy of letter \Box ☐ Change order DESCRIPTION NO. COPIES DATE INFO SHEET DRAINAGE MEMO TO PEAN BUCK @ TAYNES CORP COPY OF MINI WAREHOUSE PHAN GRADING + PRAINAGE PHAN-MINI WAREHOUSE THESE ARE TRANSMITTED as checked below: ☐ Approved as submitted ☐ Resubmit___ For approval ___copies for approval ☐ Submit _____copies for distribution ☐ Approved as noted ☐ Returned for corrections ☐ Return _____ corrected prints ☐ As requested ☐ For review and comment _ | PRINTS RETURNED AFTER LOAN TO US ☐ FOR BIDS DUE _ _19__ REMARKS_

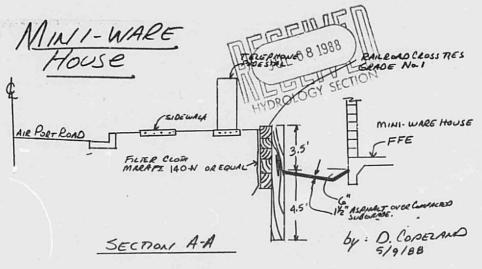
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- Company

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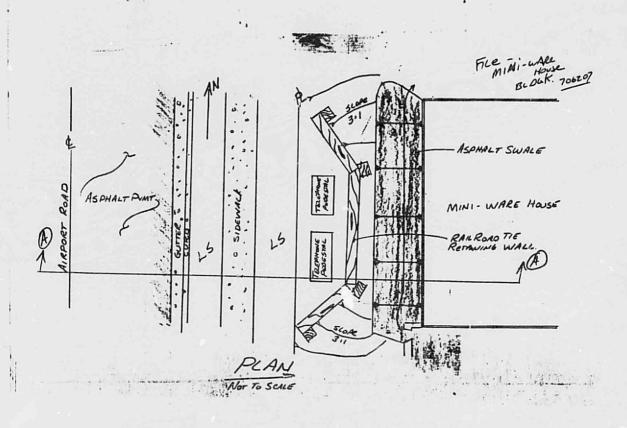
PRODUCT 240-2 (NEBS) Inc., Groton, Mass. 01471

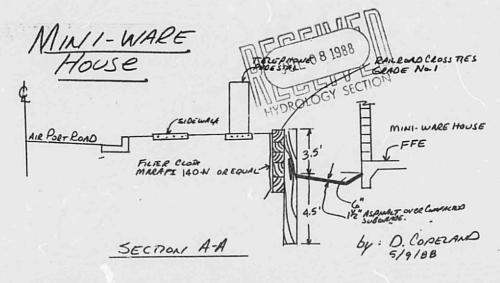




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GRADING AND DRAINAGE PLAN

EXISTING

THE SITE IS LOCATED IN THE NORTHWEST CORNER OF THE COORSICANTRAL SHOPPING CENTER. THIS IS CURENTLY UNDEVELOPED. THE PROPERTY FRONTS ONTO AIRPORT DRIVE, NW AND HAS A MATURAL SLOPE FROM NORTHWEST TO SOUTHEAST. PHASES 1A AND 1B OF THE SHOPPING CENTER ARE CURRENTLY UNDER CONSTRUCTION. AIRPORT ROAD HAS BEEN BECENTLY CONSTRUCTED WITH A CONCRETE DIP DIRECTING STREET BHAXMAGECTION HE WEST THROUGH CURB CUT. NO OFF-SITE FLOWS ENTER THE SITE. A 24-INCH DIAMETER CORRUGATED METAL PIPE WILL BE CONSTRUCTED UNDER SERVICE DRIVE BY OTHERS DURING PHASE 1A. THE CULVERT PIPE INTERCEPTS FLOW FROM THE SITE AND DIRECTS IT TO POND A. POND A HAS BEEN SIZED TO POND THE 100-YEAR RUN-OFF EVENT FOR THE SITE UNDER FULLY DEVELOPED CONDITIONS. REFER TO PREVIOUS GRADING AND DRAINAGE PLAN ON FILE WITH CITY HYDROLOGY FOR MASTER PLAN CONCEPT.

PROPOSED

THE SITE WILL BE DEVELOPED WITH MINI-WAREHOUSES ORIENTED IN AN EAST-WEST DIRECTION. DEVELOPED RUN-OFF WILL BE TRANSPORTED OVERLAND FLOW IN 'V' SHAPED DRIVEWAYS, INTERCEPTED BY 24-INCH CMP, AND DIRECTED INTO POND A FOR PHASE 1A DEVELOPMENT. DRIVEWAYS WILL BE CONSTRUCTED TO CARRY DESIGN STORM FLOWS IN ACCORDANCE WITH HYDRAULIC CALCULATIONS. ROOF DRAINAGE WILL SHEET-FLOW DIRECTLY INTO DRIVEWAYS. PONDING AND TWO HOUR DETENTION, PER THE WEST BLUFF OUTFALL STUDY, WILL BE ACCOMPLISHED BY FACILITIES AND POND ALREADY PROVIDED IN PHASE 1A. SEE MASTER PLAN.

HYDRAULICS

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DRIVEWAYS BETWEEN WAREHOUSES ARE CONSTRUCTED OF ASPHALT IN A 'V' SHAPE TO CARRY ROOF DRAINAGE AND SURFACE RUN-OFF AWAY FROM THE BUILDING FRORTS. THE DRIVEWAY PAVENENT MUST MATCH THE FINISHED FLOOR ELEVATION AT ALL BAYS SHOWN IN ORDER FOR THE PROJECT TO FUNCTION CORRECTLY. CHANNEL INVERT DEPTHS VARY FROM A MAXIMUM DEPTH OF 12" BELOW FINISHED FLOOR TO A MINIMUM DEPTH OF 2.64" BELOW FINISHED FLOOR. THE CHANNEL SLOPE IS HELD CONSTANT AT 0.0081 FT/FT. USING MANNING'S EQUATION, MAXIMUM AND MINIMUM CHANNEL CAPACITIES ARE DERIVED USING MANNING'S n = 0.015, SIDE SLOPE = 10:1 MAXIMUM, 45:1 MINIMUM.

CAPACITY OF MINIMUM CHANNEL = 3.5 CFS AT 1.9 FPS FLOWING 0.20 FT. DEEP.

CAPACITY OF MAXIMUM CHANNEL = 30.9 CFS AT 4.8 FPS FLOWING 0.80 FT. DEEP.

BLDGK.CCS Page 1 Printed October 15, 1987

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THE FIRST CRITICAL CHANNEL SECTION IS OBSERVED TO BE AT EITHER AP #2 OR #3 WHERE RUN-OFF IS DETERMINED TO BE 2.3 CFS. A SECOND CRITICAL POINT OCCURS APPROXIMATELY 80 FEET WEST OF AP #2 OR #3 WHERE CHANNEL CAPACITY IS AT ITS MINIMUM. IN BOTH CASES, CHANNEL CAPACITY CALCULATIONS SHOW THAT THERE IS ADEQUATE CAPACITY FOR THE 100-YEAR RUN-OFF EVENT.

BLDGK.CCS Page 2 Printed October 15, 1987

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CHANNEL HYDRAULIC DATA

MINITUREHOUSES-CORFCUMENT 706207 by: D.Copecino 10/15/87

	10					
IANNING'S N =						
DEPTH	Q	V	Yc	F#	Α	Y2
0.00	0.0	0.0	0.0	0.1	0.0	0.0
0.05	0.0	0.8	0.0	0.8	0.0	0.1
0.10	0.1	1.2	0.1	0.9	0.1	0.1
0.15	0.4	1.6	0.2	1.0	0.2	0.1
0.20	0.8	1.9	0.2	1.1	0.4	0.1
0.25	1.4	2.2	0.3	1.1	0.6	0.1
0.30	2.3	2.5	0.3	1.1	0.9	0.2
0.35	3.4	2.8	0.4	1.2	1.2	0.2
0.40	4.9	3.0	0.4	1.2	1.6	0.3
0.45	6.7	3.3	0.5	1.2	2.0	0.3
0.50	8.8	3.5	0.5	1.2	2.5	0.3
0.55	11.4	3.8	0.6	1.3	3.0	0.4
0.60	14.3	4.0	0.6	1.3	3.6	0.4
0.65	17.7	4.2	0.7	1.3	4.2	0.5
0.70	21.6	4.4	0.8	1.3	4.9	0.5
0.75	26.0	4.6	0.8	1.3	5.6	0.5
0.80	30.9	4.8	0.9	1.3	6.4	0.6
0.85	36.3	5.0	0.9	1.4	7.2	0.6
0.90	42.3	5.2	1.0	1.4	8.1	0.7
0.95	48.8	5.4	1.0	1.4	9.0	0.7
1.00	56.0	5.6	1.1	1.4	10.0	0.8)

MAXIMUM CHANNEL DEPTH "/ STEOPEL SIDE SCOPES

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CHANNEL HYDRAULIC DATA

106207 0, 5. (see 100 10/15/37

HANNEL SLOPE	= .0081							
	45							
IANNING'S N =	.015							
DEPTH	Q	V	Yc	F#	Α	Y2		
0.00	0.0	0.0	0.0	0.1	0.0	0.0		
0.05	0.1	0.8	0.0	0.8	0.1	0.1		
0.10	0.5	1.2	0.1	1.0	0.5	0.1		
0.15	1:6	-1.6	0.2	1.0	1.0	0.1	Church Walet	
0.20	3.5	1.9	0.2	1.1	T.8	0.1	-> MINIMUM CT WATEL DE PITH &/ FEITHER SIDE SISPES	
0.25	6.3	2.2	0.3	1.1	2.8		DEPTH FUTTER	
0.30	10.2	2.5	0.3	1.1	4.1	0.2	SIDE SISPES	
0.35	15.4	2.8	0.4	1.2	5.5	0.2		
0.40	21.9	3.0	0.4	1.2	7.2	0.3		
0.45	30.0	3.3	0.5	1.2	9.1	0.3		
0.50	39.8	3.5	0.5	1.2	11.3	0.3		
0.55	51.3	3.8	0.6	1.3	13.6	0.4		
0.60	64.7	4.0	0.6	1.3	16.2	0.4		
0.65	80.1	4.2	0.7	1.3	19.0	0.5		
0.70	97.6	4.4	0.8	1.3	22.1	0.5		
0.75	117.3	4.6	0.8	1.3	25.3	0.5		
0.80	139.3	4.8	0.9	1.3	28.8	0.6		
0.85	163.8	5.0	0,9	1.4	32.5	0.6		
0.90	190.8	5.2	1.0	1.4	36.5	0.7		
0.95	220.4	5.4	1.0	1.4	40.6	0.7		
1.00	252.7	5.6	1.1	1.4	45.0	0.8		



City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR

KEN SCHULTZ

CHIEF ADMINISTRATIVE OFFICER

DEPUTY CAO PUBLIC SERVICES

DEPUTY CAO PLANNING/DEVELOPMENT

GENE ROMO

FRANK MARTINEZ

BILL MUELLER

February 8, 1988

Douglas W. Copeland, P.E. Easterling Associates, Inc. 5643 Paradise Boulevard, NW Albuquerque, New Mexico 87114

> RE: REVISED GRADING & DRAINAG PLAN OF COORS & CENTRAL - MINI WAREHOUSES RECEIVED JANUARY 29, 1988 FOR BUILDING PERMIT APPROVAL (K-10/D18A)

Dear Mr. Copeland:

The above referenced submittal revised January 28, 1988, is approved for Building Permit sign-off by Hydrology. Include these approved plars with the construction sets routed for sign-off. If the Building Permit has already been issued, it is your responsibility to see that the contractor has these approved plans for construction.

If you have any further questions, call me at 768-2650.

Cordially,

S. Green & Roger A. Green, P.E. C.E./Hydrology Section

xc: Jorge de la Torre

RAG/bsj

AN EQUAL OPPORTUNITY EMPLOYER

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DRAINAGE INFORMATION SHEET

PROJECT TITLE: Coors Central Shopping Center Mini Warehouses LEGAL DESCRIPTION: Northwest corner of Trac	er ZONE ATLAS/DRNG. FILE #: K-10 DIS A
ENGINEERING FIRM: Easterling & Associates,	Inc. CONTACT: Douglas W. Copeland, P.E.
ADDRESS: 5643 Paradise Blvd., NW, Alb.	. 87114 PHONE: <u>898-8021</u>
DWNER: Coors Central, Ltd.	CONTACT: Greg Foltz
ADDRESS: 3615 Rio Rancho Blvd., NW, A	1b.87048PHONE: 897-7227
ARCHITECT: de la Torre-Rainhart, Architects	CONTACT: Jorge de la Torre
ADDRESS: 700 Lomas Blvd., NE, Ste. 200	0, 87102PHDNE: 342-9500
SURVEYOR: Hugg Surveying Company	CONTACT: Garry Hugg
ADDRESS: 4100 Southern Blvd., SE, Rio	Rancho PHONE: 892-8800
CONTRACTOR: Jaynes Corporation	CONTACT: Rick Marquardt
	25 PHONE: 345-8591
PRE-DESIGN MEETING: YES X NO COPY OF CONFERENCE RECARGY SECTION SHEET PROVIDED	DRB NO EPC NO PROJ. NO
TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN SRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION	CHECK TYPE OF APPROVAL BOUGHT: SKETCH PLAT APPROVAL PRELIMINARY PLAT APPROVAL SITE DEVELOPMENT PLAN APPROVAL FINAL PLAT APPROVAL X BUILDING PERMIT APPROVAL FOUNDATION PERMIT APPROVAL CERTIFICATE OF OCCUPANCY APPROVAL ROUGH GRADING PERMIT APPROVAL GRADING/PAVING PERMIT APPROVAL OTHER RESUGNITIAL (SPECIFY)
DATE SUBMITTED: 1-29-88 BY: Ward Smith	



City of Albuquerque P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz Mayor

UTILITY DEVELOPMENT DIVISION HYDROLOGY SECTION (505) 768-2650

October 27, 1987

Douglas W. Copeland, P.E. Easterling & Associates, Inc. 5643 Paradise Boulevard, NW Albuquerque, New Mexico 87114

GRADING & DRAINAGE PLAN SUBMITTAL OF COORS & CENTRAL SHOPPING CENTER - MINI WAREHOUSES RECEIVED OCTOBER 15, 1987 FOR BUILDING PERMIT APPROVAL (K-10/D18A)

Dear Doug:

The above referenced submittal, dated October 15, 1987, is approved for Building Permit. Include these approved drawings with the construction sets routed for Building Permit sign-off.

If you have any questions, call me at 768-2650.

Cordially,

Roger A. Green, P.E. C.E./Hydrology Section

cc: Greg Foltz, Coors Central, Ltd.

RAG/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER :

EASTERLING & ASSOCIAT , INC. 5643 Paradise Blvd. NW ALBUQUERQUE, NEW MEXICO 87114 NICIONAL LETTER

(505) 898-8021

10 CITY HYDROCOGY Ami Roce GREEN OF PLAN REVIOURE - Date 10/15/87
Subject Cooks; Courses MINIMINEROUSESE 4; D
PLAI -

ROSER- PATILLES ARE GRADING | DRANAGE PRAI SUBMIMALS FOR COORS CENTRA STAPPING CONTRE MINIT-LUBREHOUSE PREVEROPMENT. I HAVE INICCUPE CHANNEL RATING PRINTS OUTS FOR THE RANGE OF CHANNEL SLOPES AND AND CROSS-SECTIONS BETWEEN THE GUARLEHOUSES. PLEASE DO NOT HESITATE TO CONTACT THE SHOWD YOU HAVE ANY QUESTIONES-

P.S. / BM STILL LOOKING FOR

NO. 1!! --- YOU KNOW, THE

TORST DRINAGE; BRIDIE PLAN

SUBMITTAL BY MR. COREUND TO

BE APPROVED FOR BUILDING PERMIT

LITHOUT COMMENT. -



Please reply

☐ No reply necessary

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