Table of Contents

rn Da		10/29/99									
P	S	A few items are denoted with an asterisk (*), which means they are to be scanned for permanent record on the									
r	c	ISYS retrieval system. In some instances, not all entries designated to be scanned, are present in the file. There									
e s	a n	are also documents specific to certain files, not found on the standard list. For this reason, a checklist has been									
e	n	included.									
n	e	Remaining items, (not selected for scanning), will be marked present on the checklist. This index can serve as a									
t	d	quick guide for the contents of each file.									
	Files denoted with (**) are to be located using the ISYS Query System. Planning Clearance will need to be typed										
		in full, as well as other entries such as Ordinances, Resolutions, Board of Appeals, and etc.									
- 1	X	*Summary Sheet – Table of Contents									
	X	Application form									
X		Receipts for fees paid for anything									
X	X	*Submittal checklist									
X	X	*General project report									
\dashv	$\neg \dagger$	Reduced copy of final plans or drawings									
X	X	Reduction of assessor's map									
		Evidence of title, deeds									
X	X	*Mailing list									
\neg	\dashv	Public notice cards									
Ħ	\dashv	Record of certified mail									
X	\dashv	Legal description									
	\dashv	Appraisal of raw land									
		Reduction of any maps – final copy									
\dashv	\dashv	*Final reports for drainage and soils (geotechnical reports)									
		Other bound or nonbound reports									
	$\neg \uparrow$	Traffic studies									
	一	Individual review comments from agencies									
X	X	*Consolidated review comments list									
X	X	*Petitioner's response to comments									
X	X	*Staff Reports									
		*Planning Commission staff report and exhibits									
		*City Council staff report and exhibits									
		*Summary sheet of final conditions									
		*Letters and correspondence dated after the date of final approval (pertaining to change in conditions or									
		expiration date)									
		DOCUMENTS SPECIFIC TO THIS DEVELOPMENT FILE:									
X		Form for approval of filing & recording of Subdivision Plats									
X	X	Planning Commission Minutes – 1/9/96									
X	X	Valley West Subdivision – Filing No. 2									
X		Posting of Public Notice Signs									
X		Western Title Company – Llisting Package Treasurer's Certificate of Taxes Due									
X	\dashv	IBX Subdivision Composite Plan									
X	X	Drainage Review IBX Subdivision – 11/30/95									
X	X	Subsurface Soils Investigation – 4/4/78									
X		Drainage Map									
X	X	Aerial Photo									
	\dashv										
\Box											
	\dashv										
_ †											
	\Box										
\dashv											

SUBMITTAL CHECKLIST

MINOR SUBDIVISION

Location: 756 Vally (f. Project Name: fleplat of let 13, Vally (inst 546 #2																															
	w c	#	<u>:</u>		-	_			-	-	, j C	U L	. 4									4	<u> </u>	щ	e (U)			v D			
ITEMS	V	 				_		7	_	-	-	7	7	Ч		片	뷰	ŲΪ	10	N	_	-				_			_	+	
Date Received 12-1-95 Receipt # 3337 File # MS-95-215 DESCRIPTION	SSID REFERENCE	 City Community Development 	City Dev. Eng.	 City Utility Eng. 	City Property Agent	O City Parks/Recreation	 City Fire Department 	City Attorney	City G.J.P.C. (8 sets)		City Police	County Planning	O County Building Department	County Surveyor	O Walker Field	O School Dist. #51		Water District //Lo	O Sewer District	• U.S. West	 Public Service 	● GVRP	● CDOT	O Corps of Engineers	O Colorado Geologic Survey	O U.S. Postal Service	- Persigo WWTF	TCI Cable			TOTAL REQ'D.
● Application Fee 460 + \$15/au0	VII-1	1				Ŧ	7	T		٦	Ť		T		\neg	T		Ŧ	Т	Т	Г									Ŧ	
• Submittal Checklist*	VII-3	1	_	Н	Н	\dashv	+	\dashv	\dashv	┪	\dashv	\dashv	+	-	\dashv	+	╁	╁	+	╁	┨	┝	\vdash	Н	H	\vdash	-	H	\dashv	╅	\dashv
Review Agency Cover Sheet*	VII-3	1	1	1	1	1	1	1	十	7	1	1	ᆉ	1	1	1	1	1	1 1	1	1	1	1	1	1	1	1	1	十	+	-
● Application Form*	VII-1	1	1	1	1	1	ᅱ	1	8	1	1	1	1	7	1	1	1	╁	1 1	1	ļ	1	1	1	1	1	1	1	\dashv	╅	
● Reduction of Assessor's Map*	VII-1	1	1	1	1	1	1	1	8	1	1	1	7	ᅦ	1	-	1	1	1 1	_		1	1	1	1	1	1	1	十	十	
● Evidence of Title	VII-2	1	_	Н	1	$\vdash \dagger$	7	1	十	7	┪	寸	7	7	十	\top	+	十	t	T	Т	Т	Н	Н	Г	Г	\vdash	H	十	\top	
O Appraisal of Raw Land	VII-1	1	-	Н	1	1	7	7	十	7	7	╛	寸	7	寸	十	\dagger	十	\dagger	T	Т	Г	\vdash	Н	Г	Т	Г	H	寸	十	_
Names and Addresses*	VII-2	1		П	H	\dashv	ヿ	寸	十	7	1	┪	十	\dashv	\dashv	\dashv	\dagger	\top	T	†	T	Г	Н	Н	Г	Г	П	H	\top	\top	\neg
● Legal Description*	VII-2	1	┞	Н	1	\dashv	┥	-	+	┥	\dashv	\dashv	-	┥	-	+	+	╁	╁	╁	├	⊢	H	Н	├	⊢	-	Н	ᅪ	+	\dashv
O Deeds	VII-1	1	<u> </u>	Н	H	-	\dashv	1	┰	┥	+	-	\dashv	\dashv	\dashv	+	+	+	╁	╂╌	H	-	\vdash		┢	├	┢	Н	+	十	-
O Easements	VII-2	1	⊢	1	\vdash	\vdash	-	ᇻ	\dashv	┥	-	\dashv	⇥	┥	\dashv	\dashv	+	+	╁	+-1	1	1	┝┥		H	┢	⊢	Н	\dashv	╅	
O Avigation Easement	VII-1	$-\frac{1}{1}$	⊢	┝┤	Н	\dashv	-+	1	┪	┥	┪	\dashv	-	-+	1	\dashv	+	┰	╁	╁	⊢	H	H	Н	\vdash		H	Н	+	╅	
O ROW	VII-3	1	1	1	1	\vdash	+	-1	\dashv	┪	-+	┥	┪	ᅥ	-+	+	+	╁	╁	╁	1	1	H	_	⊢	\vdash	┪	Н	+	╅	
O Covenants, Conditions & Restrictions	VII-1	1	1	H	H	\vdash	+	1	\dashv	+	\dashv	\dashv	-	┪	+	\dashv	+	+	+	十	H	H			⊢	 	\vdash	Н	\dashv	+	
O Common Space Agreements	VII-1	1	ļ	Н	\vdash	\vdash	┪	1	十	┪	\dashv	\dashv	-	\dashv	\dashv	十	+	+	╁	+-	H	\vdash	Н		┢	╁	┢	Н	十	┰	
County Treasurer's Tax Cert.	VII-1	1	┪	Н	\vdash	\dashv	\dashv	_	\dashv	\dashv	寸	\dashv	7	\dashv	_	\top	+	╅	十	+	╁┈	┪	H		 	Н	 	Н	十	+	
O Improvements Agreement/Guarantee*	VII-2	1	1	1	-	H	┪	1	十	┪	寸	┪	寸	\dashv	\dashv	\dashv	十	+	十	T	┢	H	М	-	Н	Ħ	T	Н	十	十	
O CDOT, 404, or Floodplain Permit	VII-3,4	1	1			H	寸	一	寸	┪	寸	┪	7	┪	\neg	十	op	+	\top	T		T	H	-	H	H		Н	7	7	
General Project Report	X-7	1	1	1	1	1	1	7	8	1	1	1	1	1	1	1	1	1	1 .	1	1	1	1	1	1	1	1	1	十	十	
● Location Map	IX-21	1	T	П	┢	Н	┪	一	7	┪	一		7	┪	ヿ		\top	\top	+	+	\vdash	1	┢	H	 	H		П		+	_
Composite Plan	IX-10	1	2	1	1	Н		1	7	7				7	\Box	十	十	十	十	†			\vdash		Г	忊	T		\Box	7	
● 11"x17" Reduction Composite Plan	IX-10	1		П	Г	1	1	1	8	1	1	1	1	7	\dashv	十	1	1	1	1	1	1	1	1	1		1	1	\Box	十	
● Final Plat	IX-15	1	2	1	1	1	1	1	8	1	ᅦ	1	1	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1,	\Box	十	_
● 11"x17" Reduction of Final Plat	IX-15	1	<u> </u>	T	Г	П	_	\dashv	8	ᅦ	1	1	\sqcap	┪	1	1	7	1	1	1	1	1	Г	Γ	Π	1	Τ	1	\Box	\dashv	
O Cover Sheet	IX-11	1	2			П	7	寸	ヿ	┪	\dashv	П	\sqcap	┪	1	\dashv	op	1	1	T	Τ	1		Г	Π			П	1	7	
Grading & Stormwater Mgmt Plan	IX-17	1	2	_	Γ	\Box		ヿ			\Box		\Box			┪	7	1	T	Т	Γ	Π	Γ	1	1	Γ		П			
O Storm Drainage Plan and Profile	IX-30	1	2							\exists			П	\neg			1	1	T	1	1	1	Γ	Γ	Г		Г				
O Water and Sewer Plan and Profile	IX-34	1	2	1		П								J			J		1	1	1	1	Γ		Γ	Γ	1	1		J	
O Roadway Plan and Profile	IX-28	1	2													\Box		1	Ι				Γ							T	
O Road Cross-sections	IX-27	1	2															I					\Box		oxdot					$oxed{\mathbb{I}}$	
O Detail Sheet	IX-12	_ 1	_	_											\square		$oldsymbol{\mathbb{J}}$	\prod	$oxed{I}$				L							$oldsymbol{\mathbb{I}}$	
O Landscape Plan	IX-20	2	_	┺	\Box	Ц		\Box	\Box	\Box			\Box		Ц	\perp	\int	\perp		Ĺ		Ĺ	Ĺ	Ĺ	L	Ĺ		\Box	\Box	\perp	
Geotechnical Report	X-8	1	1			Ц		\Box	\square		\Box		1		Ш	$oldsymbol{ol}oldsymbol{ol}oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}$	$oldsymbol{\perp}$	\perp			Ĺ	L	Ĺ	Ĺ	1		Ĺ		Щ	\prod	
O Phase I & II Environmental Report	X-10,11	_	1	1	_	Ц			Ц		Ш	Ш	Ц		Ц	\perp	\perp		1	\perp	\perp	L	L	L	\perp	1	L		Ц	\bot	
Final Drainage Report	X-5,6	1	_	_	L	Ш	Ц		Ц	Ц	Ш	Щ	Ц	Щ	Ш	4	4	1	1	\perp	1	L	丄	ot	1	L	L	上	$\sqcup \downarrow$	4	
O Stormwater Management Plan	X-14	1	_		_	Ц	Ш		Ц		Щ		Ц		Ш	\dashv	4	1	\perp	\perp	$oldsymbol{\perp}$	L	1	1	\perp	L	\perp		Ц	_	
O Sewer System Design Report	X-13	1	2	_	╀-	Ш	Ц	Ц	Ц		Ш	L	Ц	Ш	Ш	\dashv	4	\perp	4	1	\perp	L	L	<u>L</u>	\downarrow	1	↓_	L	Ш	4	
O Water System Design Report	X-16	1	4	2 1	1_	\sqcup	Ц	Ш	\sqcup	Ц	Ц		Ш	Щ	Щ	\dashv	_		1	\downarrow	1	┡	\perp	L	丄	L	1	$oldsymbol{oldsymbol{oldsymbol{eta}}}$	Ш		
O Traffic Impact Study	X-15	1	2	_	<u> </u>	\sqcup	Ц	Ш	ليا	Ш	Ш	Ш	Ц	Ш	Ш	4	4	ユ	4	\perp	\perp	1	 1	L	\perp	\perp	1	L	\sqcup	4	
O Site Plan	IX-29	1	$\frac{1}{2}$	1	\perp^1	\vdash	\square	Ш	8	Щ	Ц	Ľ	Ц	Щ	Ш	_	4	4	\perp	\bot	1	\vdash	\perp	<u> </u>	\perp	\perp	1	1	\sqcup	4	
		L	1										L				\Box			┸	L.	1_	_		Т.		L	1	LĹ	_	

NOTES: * An asterisk in the item description column indicates that a form is supplied by the City.



DEVELOPMENT APPLICATION

Community Development Department 250 North 5th Street, Grand Junction, CO 81501 (303) 244-1430

Signature of Property Owner(s) - attach additional sheets if necessary

Receipt _	
Date	
Rec'd By	
File No.	MS-95-215

	situated in Me		ndersigned, being the o te of Colorado, as desc		•	nis:	
PETITION	PHASE	SIZE	LOCATION		ZONE	LAND USE	
Subdivision Plat/Plan	☑ Minor ☐ Major ☐ Resub	9.3 ACRES	756 VALLEY COURT	I-1			
Rezone				From:	То:		
☐ Planned Development	□ ODP □ Prelim □ Final						
☐ Conditional Use							
☐ Zone of Annex							
☐ Variance							
☐ Special Use							
☐ Vacation						☐ Right-of Way ☐ Easement	
☐ Revocable Permit							
☐ PROPERTY OWNE	R		DEVELOPER		□ г	REPRESENTATIVE	
IBX, INC.	•	SAME			HARRY MAVRA	KIS	
lame		Na	me		Name	e	
640 SO. 12TH STR	EET	Ac	ldress		518 28 ROAD Addr	SUITE A100	
	COT ODADO 01						
GRAND JUNCTION, OCITY/State/Zip	COLOKADO 61		ty/State/Zip			ION. COLORADO 81501 State/Zip	
(970) 241–0604					(970) 242-3	667	
Business Phone No.		Bu	siness Phone No.		Business Phone No.		
NOTE: Legal property ov	vner is owner of	record on date o	of submittal.				
nformation is true and con comments. We recognize th vill be dropped from the ag	nplete to the best nat we or ou r repr renda, and an ada	of our knowledge esentative(s) mus litional fee charg	e, and that we assume th st be present at all requir ed to cover rescheduling	e responsibility i ed hearings. In i expenses before	to monitor the status the event that the pet it can again be place	f this submittal, that the foregoir of the application and the revie itioner is not represented, the ite ed on the agenda.	
HARRY MAVRAKIS Signature of Person Comple	: 64	1-1-1/2	LARIZ.		NOVEMBER 3	30, 1995	
Signature of Person Comple	eting Application			·	Date		
IBX, INC., BY PA	T TUCKER,	PRESIDENT					
My to	7,10	bor			NOVEMBER 3	n 1995	

Date

GENERAL PROJECT REPORT

THIS MINOR SUBDIVISION REQUEST IS TO REPLAT LOT 13, VALLEY WEST, FILING NO. TWO WHICH CONTAINS 9.30 ACRES INTO FOUR (4) SEPARATE PARCELS OF LAND RANGING IN SIZE FROM 1,47 ACRES TO 3.23 ACRES.

ALL UTILITIES, ELECTRIC, GAS, WATER AND SEWER ARE CURRENTLY INSTALLED WITHIN THE SUBDIVISION AND ARE AVAILABLE TO THE SUBJECT PROPERTY.

MS-95-215

84 LUMBER CO. 200 ROUTE 519 EIGHTY FOUR, PA. 15330 COLORADO KENDALL, LTD.
P.O. BOX 24188
SAN JOSE, CALIFORNIA
95154-4188

R W PROPERTIES 2627 WEST 6TH AVENUE DENVER, COLORADO 80204-4105

GEORGE E. WILSON, TRUSTEE 2627 WEST 6TH AVENUE DENVER, COLORADO 80204-4105

BASIN WESTERN INC. P.O. BOX 877 ROOSEVELT, UTAH 84066-0877 DAVID AND MYRNA DODD 767 VALLEY COURT GRAND JUNCTION, COLORADO 81505-9714

W. T. HALL, TRUSTEE
748 22 ROAD
GRAND JUNCTION, COLORADO
81505-9728

ROBERT AND SYLVIA BEEMAN P.O. BOX 788 MOAB, UTAH 84532-0788

O. L. LEE 162 SOUTH SAN JOSE DRIVE GLENDORA, CALIFORNIA 91741-3730

IBX, Inc. 640 S 12th Street Grand Junction, CO 81501 Harry Mavrakis 518 28 Road, Suite A100 Grand Junction, CO 81501

City of Grand Junction Community Development Dept. 250 N 5th Street Grand Junction, CO 81501

REVIEW COMMENTS

Page 1 of 2

FILE #MS-95-215

TITLE HEADING:

IBX Minor Subdivision

LOCATION:

756 Valley Court

PETITIONER:

IBX, Inc.

PETITIONER'S ADDRESS/TELEPHONE:

640 S 12th Street

Grand Junction, CO 81501

241-0604

PETITIONER'S REPRESENTATIVE:

Harry Mavrakis

STAFF REPRESENTATIVE:

Kristen Ashbeck

NOTE: THE PETITIONER IS REQUIRED TO SUBMIT FOUR (4) COPIES OF WRITTEN RESPONSE AND REVISED DRAWINGS ADDRESSING ALL REVIEW COMMENTS ON OR BEFORE 5:00 P.M., DECEMBER 27, 1995.

GRAND VALLEY RURAL POWER

12/6/95

Perry Rupp

242-0040

None at this time.

PUBLIC SERVICE COMPANY

12/6/95

Tom Boughton

244-2675

ELECTRIC - This is Grand Valley Rural Power service territory. GAS - No objections.

GRAND JUNCTION FIRE DEPARTMENT

12/12/95

Hank Masterson

244-1414

The Fire Department has no problems with this proposal.

GRAND JUNCTION DRAINAGE DISTRICT

12/15/95

<u>Iohn L. Ballagh</u>

_242-4343

The dedication statement is not clear concerning easements. The City is not always the service provider yet some of the easements are dedicated to the City. On the other hand, the utility and drainage easement is to the property owners/homeowners association. What rights do all of the upstream properties draining into Persigo Wash have? The wash is there! In fact, the District has an easement dating from May 24, 1918, recorded in Book 230 at Page 11 that should be acknowledged on the plat.

What language on the plat assures the future owner of Lot 13A that drainage from that land can flow across Lot 13B? Where does/will the drainage from Lot 13A hit a natural watercourse? Along what route?

 UTE WATER
 12/15/95

 Gary R. Mathews
 242-7491

No comment. Policies and fees in effect at the time of application will apply.

CITY PROPERTY AGENT

12/17/95

Steve Pace

244-1452

- 1. The utility and drainage easement needs to be described in the dedication.
- 2. The ingress-egress and utility easement needs to be described in the dedication (who uses this easement?).

COMMUNITY DEVELOPMENT DEPARTMENT

12/18/95

Kristen Ashbeck

244-1437

Access spacing shall be determined at such time new parcels are developed. Colorado Department of Transportation approval will be required for any access to Lots 13-C and 13-D off Highway 6 & 50.

CITY POLICE DEPARTMENT

12/18/95

Dave Stassen

244-3587

This replat cause the Police Department no concerns. I would recommend that as these lots develop, the developer contact the Police Department for a security consultation.

CITY UTILITY ENGINEER

12/18/95

Trent Prall

244-1590

WATER - Ute Water

SEWER - City of Grand Junction - No comment.

CITY DEVELOPMENT ENGINEER

12/19/95

<u> Iody Kliska</u>

244-1591

- 1. On-site detention is a requirement for development of the proposed lots. Unless this applicant intends to pay for the improvements alluded to in the conclusion of the drainage report to allow for undetained flows, the detention requirement will be imposed and should be noted in the file for future development considerations.
- 2. If the intent of the 20' multi-purpose easement is to also allow for drainage conveyance, the dedication language needs to be modified to include drainage.
- 3. Since a utility and drainage easement is shown, the dedication needs to include utility.
- 4. The statement regarding streets and rights-of-way is not necessary and needs to be stricken from the dedication.

TO DATE, COMMENTS NOT RECEIVED FROM:

City Attorney
Mesa County Planning
Mesa County Surveyor
Grand Valley Irrigation
U.S. West

TCI Cablevision

Colorado Department of Transportation

RESPONSE TO COMMENTS

IBX MINOR SUBDIVISION

Location: 756 Valley Court

Petitioner:

IBX, Inc.

640 S. 12th Street

Grand Junction, CO 81501

Response to Comments Prepared By:

ROLLAND Engineering 405 Ridges Blvd., Suite A Grand Junction, CO 81503

(970)243-8300

The following Response to Comments will be in sequence of the REVIEW COMMENTS provided by the City of Grand Junction File #MS-95-215:

GRAND VALLEY RURAL POWER

Grand Valley Rural Power has no comments, no response necessary.

PUBLIC SERVICE COMPANY

Public Service Gas service had no objections to the Subdivision. Public Service commented that electric power to this area to be provided by Grand Valley Rural Power. As stated above, Grand Valley Rural Power had no comments regarding electrical power service.

GRAND JUNCTION FIRE DEPARTMENT

Grand Junction Fire Department has no problems with the proposed IBX Minor Subdivision. No comments necessary on our part.

GRAND JUNCTION DRAINAGE DISTRICT

The drainage concerns within the internal Lots will be addressed and resolved as the Lots are developed. The actual development of each Lot requires a grading and drainage plan be submitted to the Community Development Department of the City of Grand Junction. Multipurpose easements will provide for potential drainage conveyance. The easement recorded in Book 230 at Page 11 will be acknowledged on the Plat. The easement along Persigo Wash was acknowledged by the original Valley West Subdivision.

UTE WATER

Ute Water District has no comment. Policies and fees in effect at time of application are noted.

CITY PROPERTY AGENT

- Language identifying and clarifying the utility and drainage easements will added to the dedication. The inclusion of drainage purposes into multi-purpose easements is also noted.
- 2) The ingress-egress and utility easements are pre-existing. Their establishment by recorded instrument will be noted on the Plat.

COMMUNITY DEVELOPMENT DEPARTMENT

Access spacing will be determined at such time the new parcels are developed. We note that Colorado Department of Transportation approval will be required for any access to Lots 13-C and 13-D off of Highway 6&50.

CITY POLICE DEPARTMENT

The Police Department has no particular concerns with this development. Individual developers must submit a plan to COMMUNITY DEVELOPMENT and at that time they may contact the Police Department for a security consultation.

CITY UTILITY ENGINEER

City Utility Engineer has no concerns or comments at this time. No response necessary.

CITY DEVELOPMENT ENGINEER

- 1) At such time as the individual Lots are developed, a grading and drainage plan will be submitted. This plan will hold open any options to improve existing drainage conveyances that may eliminate the need for on-site detention. This option will be at the cost and responsibility of the individual developer. Multi-purpose easements shall include the right to install drainage conveyances should they be required.
- 2) The intent of the 20 foot wide multi-purpose easement is to allow for drainage conveyance and the dedication language has been modified.
- 3) The language to include utility has been added to the dedication.
- 4) Language referring to street right-of-way has been stricken from the dedication.

STAFF REVIEW

FILE: MS 95-215

DATE: January 3, 1995

REQUEST: Minor Subdivision - Replat of an Existing Parcel within the Valley West Subdivision

LOCATION: 756 Valley Court

APPLICANT: IBX, Inc.

STAFF: Kristen Ashbeck

EXISTING LAND USE: One Undeveloped Parcel

PROPOSED LAND USE: Four Parcels for Light Industrial Developement

SURROUNDING LAND USE:

NORTH: Light Industrial/Heavy Commercial - Business Unknown

SOUTH: Hwy 6 & 50, I-70 and Railroad Rights-of-Way EAST: Light Industrial/Heavy Commercial - 84 Lumber WEST: Light Industrial, Heavy Commercial & Undeveloped

Ryall Electric Supply & Dodd Diesel

EXISTING ZONING: Light Industrial (I-1)

SURROUNDING ZONING: All I-1

RELATIONSHIP TO COMPREHENSIVE PLAN

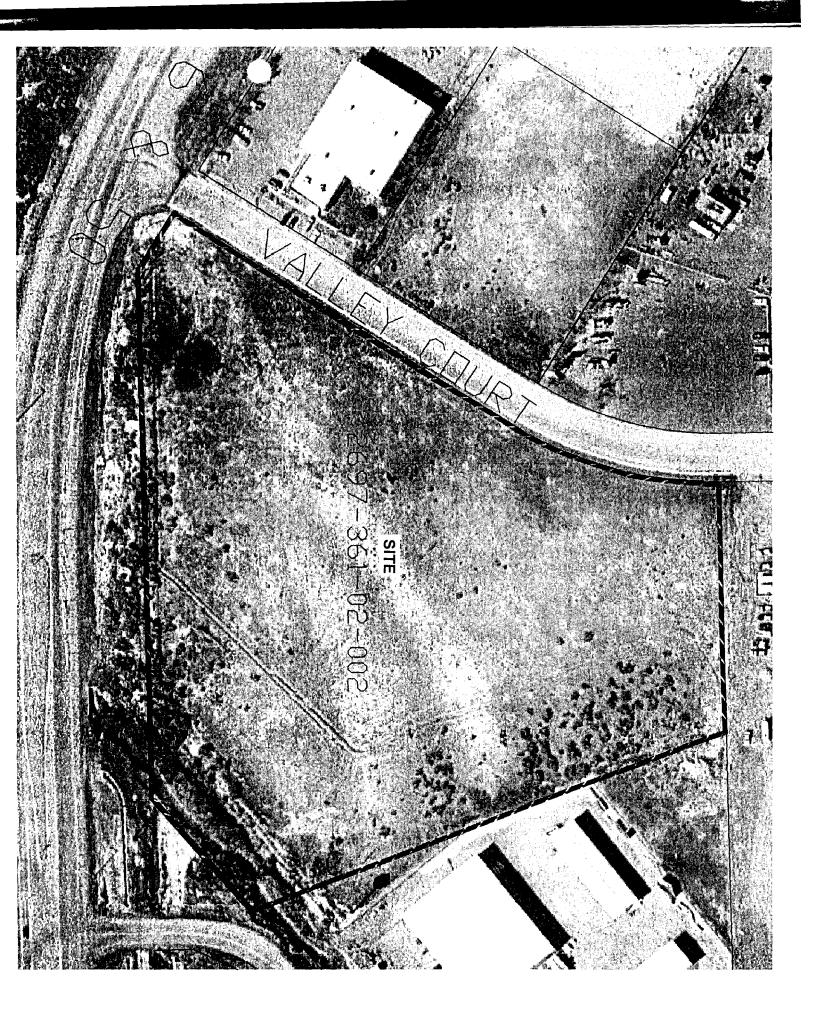
No comprehensive plan exists for this area of the city.

STAFF ANALYSIS

The applicant is proposing to resubdivide Lot 13 of the Valley West Subdivision FIling 2 into four parcels. Lot 13 is approximately 9.3 acres, and the four new parcels would range in size from 1.5 to 3.2 acres. This resubdivision is acceptable as there is no minimum parcel size within the I-1 zone, nor were there restrictions on the Valley West Subdivision that would prohibit further subdivision. Design details such as on-site drainage and ingress/egress drives will be addressed during the site plan review phase as development occurs on each of the new parcels. There are no outstanding issues--all review agency comments have been addressed.

STAFF RECOMMENDATION: Approval of the IBX Minor Subdivision

SUGGESTED PLANNING COMMISSION MOTION: Mr. Chairman, on item MS 95-215, I move that we approve the IBX Minor Subdivision.



DRAINAGE REVIEW IBX SUBDIVISION

Prepared For: IBX, Inc.

Presented To:
City of Grand Junction
Public Works Department
250 N. 5th Street
Grand Junction, CO 81501

Prepared By:
ROLLAND Engineering
405 Ridges Blvd., Suite A
Grand Junction, CO 81503

November 30, 1995

file: \user\letters\wp\ibxdrain.wpd

A. PROJECT DESCRIPTION

This project is the subdivision of existing Lot 13, Valley West Subdivision, Filing No. Two. Valley West Subdivision Filing No. Two was developed in 19__. No development or improvements are proposed on any of the lots at this time. The existing Lot 13 is approximately 9.3 acres. The four proposed lots range in size from 1.47 acres to 3.23 acres.

B. SITE DESCRIPTION

This 9.3 acres site is part of the 110 acre Valley West Subdivision that was developed in the late 1970's and early 1980's. The site slopes very gently (0.3% to 0.5%) to the south and west to the intersection of Valley Court and Highway 6&50. This area was once agricultural ground and has not been utilized since the development of Valley West Subdivision. The property is primarily barren ground with some native plants and weeds.

C. DRAINAGE BASIN DESCRIPTION

The site drains into Pritchard Wash (GJDD COPECO Drain) about one-half mile above its confluence with the Colorado River. The site lies in an Approximate 140 acre sub-basin defined by Pritchard Wash on the west, the Independent Ranchman Ditch on the north, Persigo Wash on the east, and Highway 6&50 on the south. With the exception of a very small area (probably less than five acres) along Persigo Wash, the entire 110 acre Valley West Subdivision lies within this sub-basin.

Stormwater currently sheet flows; is conveyed in the valley gutter along the east side of Valley Court; and is also conveyed in the old shallow ditch to the south and west through the site to the intersection of Valley Court and Highway 6&50. Stormwater crosses Valley Court in a surface concrete cross pan. Conveyance of stormwater runoff is then via the borrow ditch along the northerly side of Highway 6&50 to the Oest Drain at 21 ½ Road. This drain flows in a northwesterly direction along the highway to the COPECO Drain (Pritchard Wash) which flows almost due south to the Colorado River. Both the Oest and COPECO Drains are open ditches and are facilities of the Grand Junction Drainage District.

A review of the files for Valley West Subdivision indicates that a Master Stormwater Management Plan does not exist for the Subdivision. It appears that a majority of the Subdivision is drained by surface flows that are conveyed by Valley Court and roadside borrow ditches along Highway 6&50 and 21 ½ Road to the Oest Drain.

D CONCLUSION

As these new lots are developed they will be required to complete a grading and drainage

file: \user\letters\wp\ibxdrain.wpd

plan to account for the impact on the drainage basin. Because of its close proximity to the Colorado River, on-site detention may not be the solution. Improvements to the conveyance along Highway 6&50 (both the Oest Drain and the borrow ditch) may be necessary as this property and other unimproved property within this basin are developed. The Oest Drain itself is probably adequate but it has several driveway crossings that will require evaluation. The borrow ditch from Valley Court to 21 ½ Road is not well defined and could use some improvements.

file: \user\letters\wp\ibxdrain.wpd



1000 West Fillmore St. Colorado Springs, Colorado 80907 (303) 632-3593 Home Office

April 4, 1978

CBW Builders 2721 North 12th Street Grand Junction, CO 81501

Pe:

SUBSURFACE SOILS INVESTIGATION

VALUEY WEST SUBDIVISION

GRAND JUNCTION, COLORADO

Centlemen:

Transmitted herewith is the report giving the results of a subsurface soils investigation for a proposed commercial subdivision to be known as Valley West Subdivision in Grand Junction, Colorado.

Respectfully submitted,

LINCOLN-DeVORS TESTING LIB.

Robert J. Bass

Sobert J. Bass, Civil Engineer

RIB (Bas

UDTO Job No. 20632, J-69

cc: 2 - Paragon Phors.

2700 Highway 50 West Pueblo, Colo 81003 (303) 546-1150 P.O. Box 1427 Glenwood Springs, Colo **81601** (303) 945-6020 109 Rosemont Plaza Montrose, Colo 81401 (303) 249-7838

Forris, ?. F.

P.O. Box 607 Gunnison, Colo 81230 (303) 641-2276 R.O. Box 1643 Rock Springs, Wyo 82901 (307) 382-2849



1000 West Fillmore St. Colorado Springs, Colorado 80907 (303) 632-3593

Home Office

August 30, 1978

CB# Builders 2721 North 12th Street Grand Junction, CO 81501

Re: Ever-Carmany Testing Valley West Subdivision LDTL Report No. 20632, J-69

Gentlemen:

Personnel of this Laboratory have completed Eveen-Cormany testing on samples of material from the above referenced subdivision. The results are as follows:

- 1) Subgrade - R = 9 by expansion (Note: expension is critical) Av. expansion pressure w 300 psi = 33 Av. displacement @ 300 psi = 4.02
- 2) Base - R - 74 Av. expansion pressure 2 300 psi - 0 Av. displacement : 300 psi - 4.11

These results were obtained shortly after our original report was completed. They were inadvertently filed away before a letter giving you this information was written. Please accept our apologies for any inconvenience this may have caused you.

Respectfully submitted,

LINCOLN-Devore

Lone Danie George D. Morris, 3. E.

/ & 55 EX

cu: 2 - Paragon Engra. LD - Grand Jct.

2700 Highway 50 West Pueblo, Colo 81003 (303) 546-1150

P.O. Box 1427 Glenwood Springs, Colo 81601 (303) 945-6020

109 Rosemont Plaza Montrose, Colo 81401 (303) 249-7838 P.O. Box 1882 Grand Junction, Colo 81501 (303) 242-8968 P.O. Box 1643 Rock Springs, Wyo 82901 (307) 382-2649

subsurface soils investigation and foundation recommendations
for a proposed commercial subdivision to be located in Grand
Junction, Colorado. The Laboratory has not, at this time,
seen a set of construction drawings for any of the buildings
to be constructed in the proposed subdivision. It is our understanding, however, that the structures will be steel industrial
buildings and foundation loads will generally be high in magnitude.

foundation systems be used to carry the weight of the proposed structures. This deep foundation system typically would consist of either driven piles or drilled piers and should extend through the soft, upper clay materials and into the firm bearing strata below.

foundation system would be a rigid, reinforced structural mat or raft type of foundation system. If this raft foundation system is placed at such a depth that the stress on the soil created by the building is equal to the affective stress existing in the soil mass at that depth, the foundation system becomes a fully compensating raft. With this system, no net change in stress is felt by the soil mass and the potential for settlement or differential movement is considerably reduced.

Epacific recommendations pertaining to each type of Foundation system and to the site as a whole

are contained in the body of this report. All recommendations are subject to the limitations set forth herein.

GMRERELL

was to determine the general suitability of the site for conattruction of a series of commercial and industrial structures.
Characteristics of the individual soils found in the test horings were examined for use in designing foundations for these structures.

The Laboratory has not, at this time, seen a set of construction drawings for any of the promosed structures and, therefore, the magnitude and nature of building loads are not known. It is our understanding, however, that vertical column loading may be in excess of 50 kigs per column with horizontal loads greater than 15 hips. It is also our understanding that some rather large overhead grands may be used in conjunction with these industrial structures.

cated west and north of the city of Grand Junction, Colorado.

The site is located in a portion of the Morthaast Cuarter of Section 36, Township 1 North, Bange 2 West of the Ute Principal Meridian. The site consists of approximately 110 acres of total area which will be subdivided into 16 building lots.

The topography in the vicinity of the site can be described as flat, being located on the flood-plain of the Colorado River. The exact direction of surface runoff will be controlled by streets and buildings in the vicinity and, therefore, will be variable from point to point. In general, however, surface runoff can be expected to flow to the south, eventually entering the Colorado River. Surface drainage is fair, subsurface grainage is poor.

The soils beneath the site are generally alluvial in nature, having been deposited on the site by the action of the Colorado River in the past. Generally, the subsurface profile consists of a high moisture, low density, lean clay material which was found from the ground surface to a depth of approximately is to 20 feet, beneath which is a relatively thin layer of fine grained, silty sand material, undertain by the gravel, combies and boulders of the Colorado River terrace. All of this upper alluvial material is believed to have been deposited on dense, formational Hancos Shale, which should serve as bedrock beneath the site.

is a thin-bedded, drab, light to dark gray shale with thinly interbedded, fine grained sandatone and limestone. Some layers of the shale have a high bentonite content and, therefore, are highly expansive. Nost of the shale has only a moderate expansion potential, however. No formational shale was encountered in any of the test borings to the depths drilled. It is

anticipated that the shale will be Sairly deep beneath this site

BORINGS, LABORATORY TESTS & REGULTER

across this site as shown on the attached Test Boring Location
biagram. These test borings were placed in such a manner as
to obtain a reasonably good profite of the subsurface soils.
While some variation was noted from point to point, the subsurface profile encountered was sufficiently uniform that no further
test borings were deemed necessary. All torings were advanced
by the use of a power-driven, continuous auger drill. Samples
were taken with the standard split spoon sampler, with thinwalled Shelby tubes, and by bulk methods.

in these test borings can broadly be described as a three-layer system. The upper layer of this system comprising the upper 10 to 20 feet of the subsurface profile was a low density, high moisture, lean clay material. The second layer of this system, which was encountered ismediately below the lean clay material, is a fine grained, silty sand layer which was generally of low density and saturated. Immediately below the silty sand layer was encountered a coarse grained, gravel and cobble material which is typical of the Colorado Siver terrade.

The soil samples obtained during our subsurface exploration program have been broadly divided into

three soil types. Soil Type No. 1 is a lean clay which is representative of the upper layer of the subsurface profile.

Soil Type No. 2 is a fine grained, silty sand which is representative of the second layer of the profile. Soil Type No. 3 is a well graded, silty gravel which is representative of the upper portion of the lower terrace material layer. Sore precise engineering characteristics of these three soil types may be found on the attached summary sheets. The following discussion will be general in nature.

clay (CL) of fine grain size. Generally, this material is slightly glastic, of low permeability, and was encountered in a low density, high moisture condition. Due to the condition in which this material was encountered, it should have no significant tendency to expand upon the addition of moisture. However, it has a marked tendency to long term consolidation under load. The consolidation potential of this material is significant enough to rule out the possibility of typical shallow foundation systems with the foundation loads anticipated on this site. This material contains sulfates in detrimental quantities.

soil Type No. 2 classified as a silty sand (Sh) of fine grain size. With only a slight difference in grain size characteristics, this material would have classified as a silt. Generally, this soil type is non-plastic, moderately permeable, and was encountered in a low density condition. This material has no tendency to expand upon the addition of moisture

and no tendency of true long term consolidation under load. It will experience regid settlement, however, under typical foundation loads. It should be noted that if a deep foundation system is used, this material will not be subjected directly to building loads and it is not believed that settlement of this material will create any significant problems. It should also be noted that if a drilled pier system is used, this material can be expected to cave severely and, for this reason, casing will probably be required during the installation of drilled piers on this site.

graded, winty gravel (CW/CM) of coarse grain size. This material is typical of the upper portion of the Calorado hiver terrace which can be expected to become somewhat coarser with increasing depth. Generally, this material is non-plastic, of high permeability, and was encountered in density conditions ranging from tow to moderately high. This material appears to increase in density with increasing depth. This soil type has no tendency to expand upon the addition of moisture and no tendency to true long term consolidation under load. It is felt that this material will be the primary bearing strata for deep foundation systems which are placed on this site.

test borings drilled on this site at depths ranging from 4.5 feet to 9 feet below the ground surface, at the time drilled. It should be noted that this water table can be expected to

presence of the water table so near the ground surface will create difficulties for deeper excavations, and will create a hydrostatic uplift force against besements which are placed on this site. Por these reasons, we would recommend that besements not be used in conjunction with any structure to be placed on this site. The presence of the water table will also necessitate the use of casing and dewatering aguipment during the installation of drilled piers on this subdivision.

CONCLUSIONS & RECOMMENDATIONS:

has not seen a set of construction drawings for any of proposed structures to be placed on this site. However, it is our understanding that the structures are to be rather large industrial stee! buildings and that foundation loads are liable to be quite high. Any special loads or unusual design conditions should be reported to the 'aboratory so that changes in these recommendations may be made if necessary. However, based upon the project characteristics previously outlined and the subsurface profile encountered during our field exploration program, the following recommendations are made.

To is our recommendation that deep foundation systems be used to carry the weight of the proposed structures. Typical deep foundation systems would consist of either driven piles or drilled piers. Either type of foundation

system will have Therous advantages and dis Tvantages associated with it.

problems of casing and dewatering which would be associated with drilled olers on this site. However, the capacity of a pile is much more difficult to establish during the design phase of a project than the capacity of a drilled pier. Therefore, the decision as to which type of deep foundation system is most suitable is purely an economic one and should be investigated by the owner or his representative.

piles, numerous pile types are available which would be suitable for the type of structures proposed for this subdivision. Pile types which are common in the Grand Junction area include wood piles, steel H biles, and concrete filled steel pipe piles. Each pile type has a number of advantages and disadvantages which will be covered in turn.

is that they are low in cost for a situation where short pile lengths - typically 20 to 40 feet - can be used. Disadvantages include a relatively low load capacity per pile and susceptibility to damage during driving, particularly when driven through hard stratum obstacles or to refusal on rock. The major advantages of steel B piles include ease of splicing, high tolerance to hard driving, and a comparatively high load capacity. Disadvantages include high cost when compared to timber piles, the

possibility of by in bent or deflected by of lactes, and a potentially long delivery period. Additionally, steel piles may be somewhat susceptible to corrosion when used in very high sulfate environments. The major advantages of concrete filled pipe piles include ease of splicing, and the availability of driving equipment. Disadvantages include a long period of delivery and a low corrosion resistance similar to steel R piles.

Specific recommendations pertaining to pile type and pile capacity cannot easily be made in a report of this nature. Since a decision of this type depends upon the expected loads, the driving equipment available, and other considerations, it will be left to the structural engineer. By way of anample, however, a 12-inch diameter pile section which is driven to a resistance of 50 blows per foot should have a capacity on the order of 10 to 50 kips. It should be noted that this estimate of pile capacity is based upon static considerations of bearing capacity and friction. Stimates of this type often will not precisely represent the true capacity obtained in the field. For this reason, when driving operations commence, pile capacities should be verified either by means of a pile load test or by using one of the pile driving equations.

This our understanding that horizontal loads in excess of 15 sigs may be anticipated for some
structures on this site. If these horizontal loads are to be
counteracted by the pile system and if they exceed 1000 pounds
per pile, the use of batter siles will be required. Hammer

and cushioning should be matched to the chosen pile type to assure attainment of the design load capacity when driving.

Minimum spacing of piles should be twice the average pile diameter or 1.75 times the diagonal dimension of the pile cross section, but no less than 24 inches. Toos of diles should extend a minimum of 4 inches into the pile cap. No pile should be shorter than 15 feet in length. Vertical piles should not vary more than 2% from the plumb position. Recentricity of reaction on the pile group with respect to the total load resultant should not exceed a dimension that would produce over-loads of more than 10% in any one pile.

drilled pier decondation system instead of driven piles on this site. It should be noted, however, that some difficulty should be anticipated in the installation of a drilled pier foundation system due to the presence of soft caving soils and high ground—water conditions beneath this site. This will complicate the installation of drilled piers by requiring the use of casing and dewatering equipment. The allowable loads for drilled piers on this site may be determined as the sum of the end bearing capacity glus the side hearing capacity. Specific values for and bearing and side friction capacity cannot be given here due to the variation of soil conditions across the subdivision. It is recommended that further subsurface investigation be undertained on any particular site before establishing these bearing values. However, typical values will be given here for purposes

of example. With theast 5 feet of penetral in into the coarser grained materials of Soil Type No. 3, the end bearing capacity may be something on the order of 10,000 psf. The allowable side friction for Soil Type No. 3 may be somewhere on the order of 1000 psf. Soil Types No. 1 and 2 should not be relied upon for any side bearing capacity due to the extremely low density condition in which these materials were encountered.

The bottoms of all piers should be thoroughly cleaned prior to the placing of concrete. The amount of reinforcing required in each pier will be dependent upon the magnitude and nature of loads involved. However, as a general rule, reinforcing should be equal to approximately 1.5% of the total cross section area of the pier with an absolute minimum requirement of two 85 % rebars par pier. To ensure that all voids in the side walls of the piers are filled, concrete should be placed with a slump of 5 to 6 inches. Piers having an extronely small diameter - on the order of 12 inches or less may use concrete with a slump in excess of 6 inches. All water should be removed from the pier prior to the placement of concrete. If this is not possible, concrete should be tremied below standing water. A free fall of concrete in excess of 5 feet should not be permitted unless the pier diameter is large enough to ensure that the concrete will not contact the side walls during the fall. Any casing used during drilling should be pulled as concrete is being placed to allow the complete filling of all solds in the side walls with concrete.

As an alternative to a deep foundation systam, a rigid reinforced mat or raft type of foundation system could be used on the site. This would consist of a thick, uniform, flat, reinforced concrete slab occupying the entire area beneath the structure and possibly extending a short distance beyond the timits of the structure. This concrete mat must be heavily reinforced making it stiff enough to essentially behave as a unit. The required death of embedment of this mat may be calculated by equating the effective atreas of soil displaced by the foundation to part or all of the stress created by the structure. If only part of the weight of the structure is compensated for, the result will be a net stress increase on the soil. Inder no circumstances should this stress increase exceed 1000 osf. If the entire weight of the structure is compensated for by displaced soil, there should be no not increase in atress on the soit and settlement or differential movement of the most foundation will be held to an absolute minimum. If the raft type of foundation is used, it should be located at a minimum depth of 2 feet below the ground surface, or as dictated by local building codes, for frost protection.

dation system would be to use typical shallow foundation systems. This could be accomplished using two general methods. The first would consist of an overexcavation which would be backfilled with a properly controlled, compacted fill on top of the ground to construct a controlled, compacted fill on top of the ground

surface and place foundations on this fill. Problems would be encountered using the first alternative due to the fact that the depth of the overexcavation is limited by the location of the free water table. Excavation below this water table level should be rather difficult. The second structural fill alternative would have the effect of placing a surcharge load on the soils and would cause consolidation of the soit, moist clay saterials of Soil Type no. 1. For this reason, it may be necessary to have a considerable time lapse between fill construction and building construction to allow this material to consolidate. Specific requirements as to the required thickness of fill and the allowable bearing capacities of the compacted fill will be dependent upon the configurations of the structures and the type of saterial used for fill. Therefore, these recommendations cannot be made at this time.

fil: constructed on this site be compacted to at least 95% of the standard proctor dry density, ASTP D-658. It is possible to use the native soil materials on this site, but it should be recognized that some type of drying technique such as discing of the soil will be necessary in order to bring the moisture content down to the froctor optimum moisture content. Also, the native clays of Soil Type No. 1, if compacted properly, will exhibit some expansion potential. If an imported fill material is used, it is recommended that this material be coarse grained and non-free draining. May fill placed on this site should be

Placed at the Prof for optimum moisture contert, plus or minus

2%. Reterial should be placed in lifts not to exceed 6 inches

compacted thickness with any particles in excess of 6 inches in

diameter being removed. Fill should be compacted to the required

density by machanical means. No water flooding techniques of

any type should be used in the placement of fill on this site.

Adequate drainage must be provided in the foundation area at all times to prevent the ponding of water above the foundation materials. The ground surface around the structure should be graded so that surface water will be carried quickly away from the structure. Pinimum gradient will depend upon surface landscaping. Bare or paved areas should have a minimum gradient of 2% for a distance of 10 fact from the structure. Landscaped areas should have a minimum gradient of 3% within this area. Poof drains must be carried across all backfilled areas and discharged well away from the structure.

as to act independently of all hearing walls and columns. A capillary bream or gravel bed of 4 to 6 inches in thickness should be used beneath the floor slab. This gravel material should not contain a large amount of fines and must be provided with a free drainage outlet to the surface so as not to act as a water trap beneath the structure. A vapor barrier is recommended above the capillary break and beneath the floor slab.

Backfill around the atructure and in utility trenches leading to the structure should be compacted

to at least 90% () the maximum Proctor dry () wity. The native soils may be used for this purpose providing they are brought to the proper moisture content. Haterial should be placed in lifts not to exceed 6 inches compacted thickness and at a moisture content approximately equal to the Proctor optimum moisture content, plus or minus 2%. Backfill must be compacted to the required density by machanical means. No water flooding techniques of any type should be used in the placement of backfill on this site.

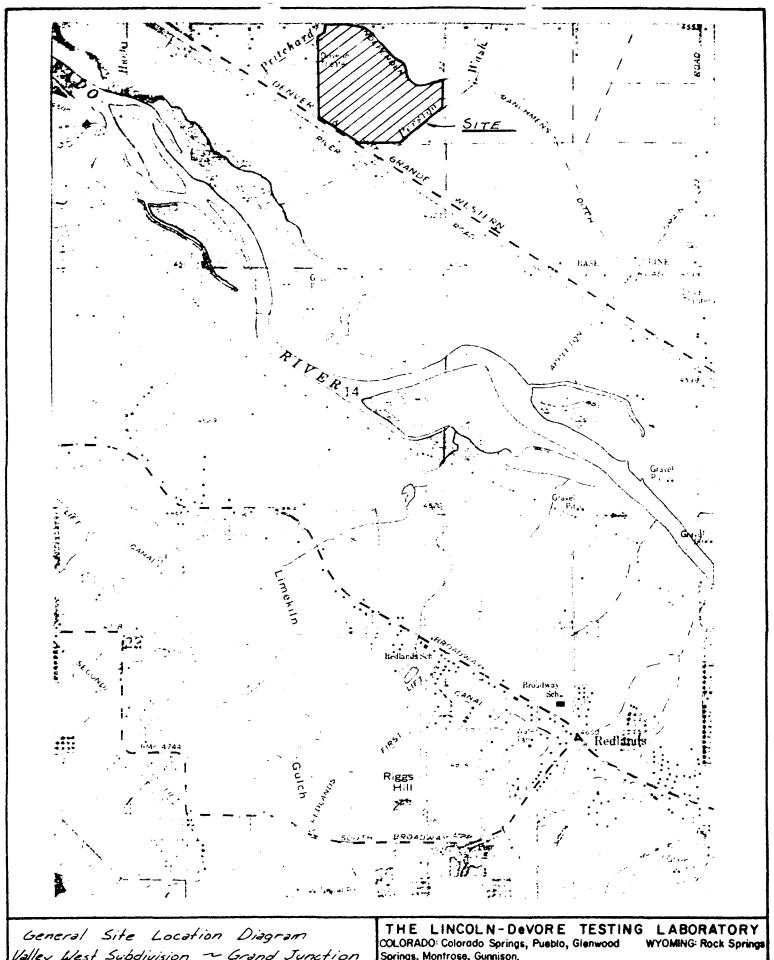
with foundation systems on this site should be designed to apan a distance of at least 15 feet, or the distance from pier to pier, whichever is greater. Grade beams should be reinforced at both top and bottom with the reinforcing approximately balanced between the top and bottom of the beam. Where grade beams will retain soil in excess of 4 feet in height, vertical reinforcing may be necessary and should be designed. To design this reinforcing, the equivalent fluid pressure of the soil, in the active state, may be taken as 50 pcf.

The soils beneath the site were noted to contain sulfates in detrimental quantities. For this reason, a sulfate-resistant cement such as Type II Coment is recommended for use in all concrete which will be in contact with the soils. Under no circumstances should calcium chloride ever be added to a Type II Coment. In the event that Type II Coment is difficult to obtain, a Type I Coment may be used provided the concrete is separated from the soils by water-resistant membranes.

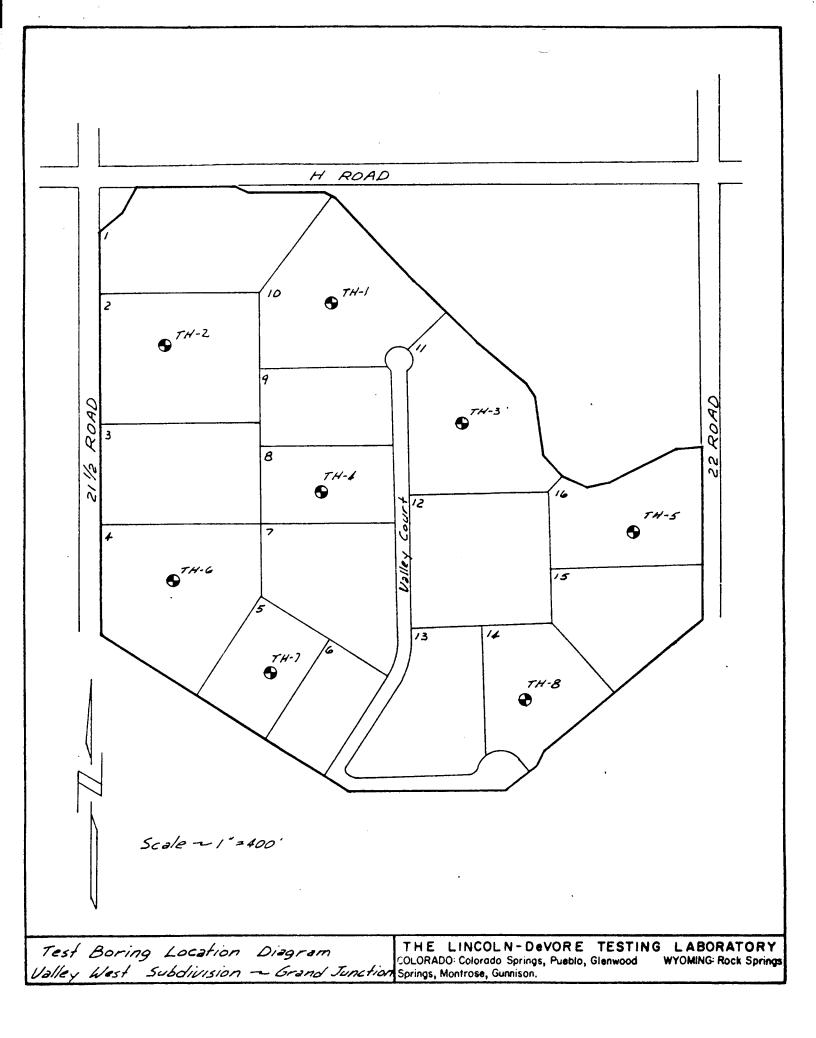
are being performed on the surficial soils on this site and on a roposed base course material to determine the characteristics of them soils for pavement design. It present, this analysis has not been completed. The information obtained from these tests will be supplied as soon as it becomes available.

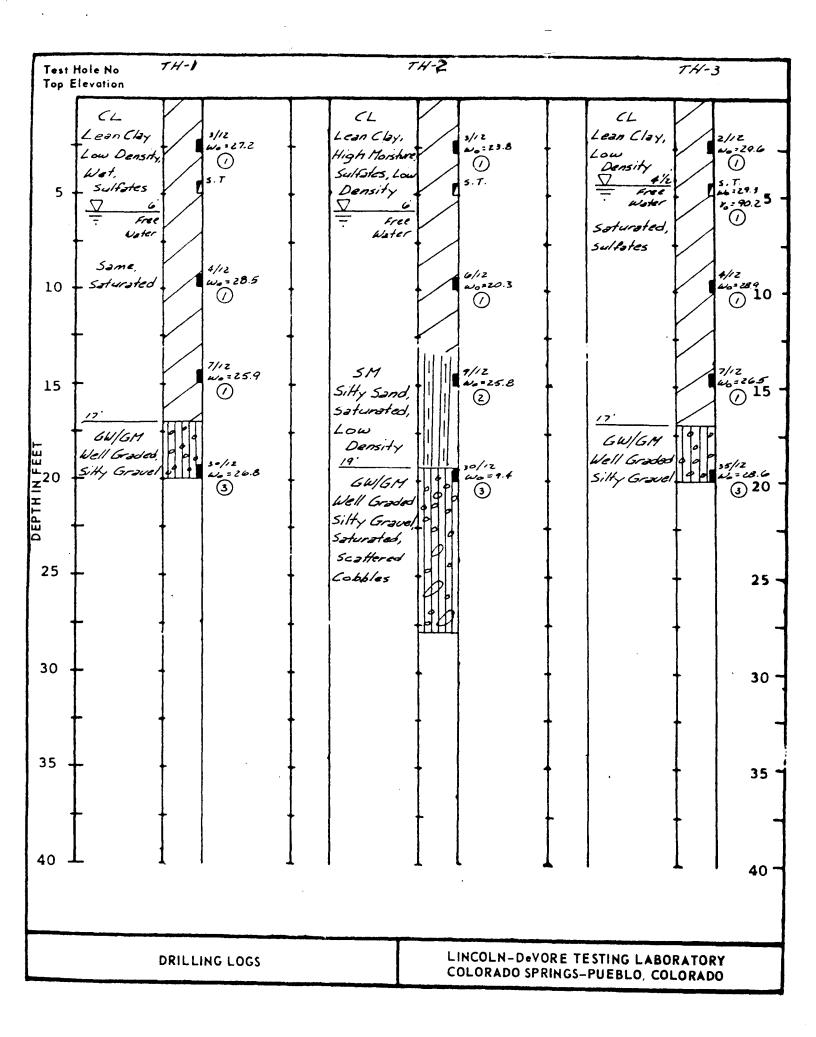
gation and report are preliminary in nature. Due to the nature of the structures to be constructed in this development, it is recommended that additional subsurface investigation be conducted for each structure to be built on this site. The information provided in this report is intended for site evaluation and pre-liminary design and should not be used as a basic of final design for structures to be built in this subdivision.

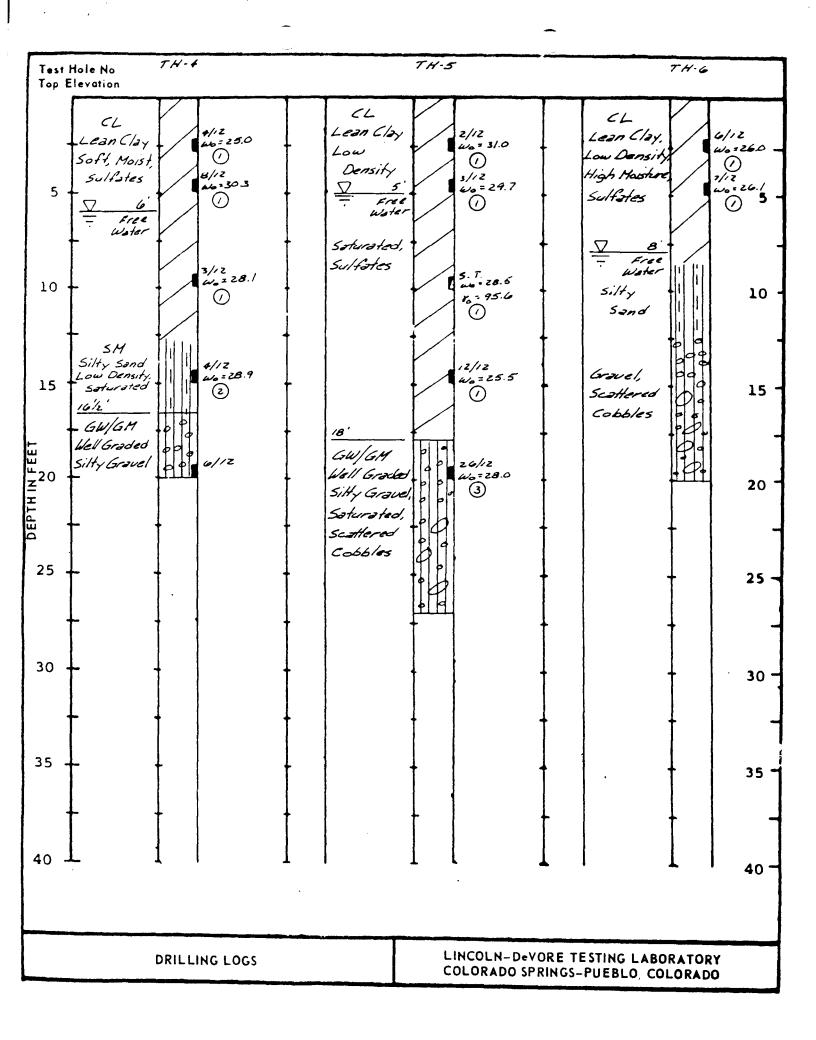
points concerning the subsurface soils on this site have been covered in this report. If questions arise or if further information is required, please feel free to contact the Laboratory.



THE LINCOLN-DEVORE TEST! COLORADO: Colorado Springs, Pueblo, Glenwood Springs, Montrose, Gunnison. Valley West Subdivision ~ Grand Junction







Test Hole No. TH-7 Top Elevation		TH-B					
CL Lean Clay, 6/12	CL Lean Cla	4/12 Wo-25.0					
Low Donsity, High Moisture, Sulfates	Low Dens High Hast Sulfates			5 -			
$\frac{\nabla}{\nabla} = \frac{7}{\text{Free}}$ water		9		-			
10 SM 3/12 Wo = 32.0 Soft, Marst 2	- 25	8/12 wo :2+8		10 -			
15 Sill Graded, 00 28/12 wo=27.5	SH Silty Sam Low Densi	スよ[i] [i] 目 46 <u>*</u> 43·3 し		15 -			
Coarse,	High Hoist	, to 0		-			
Scattered of Superior Cobbles of Superior Cobb	Well Grade Silty Grad			20 -			
25				-			
				25 -			
30				. 30 -			
+ +							
35				35 🗂			
40				40			
DRILLING LOGS		LINCOLN-DeVOR COLORADO SPRIN	E TESTING LABORATOR	RY DO			

. ,

SUMMAR	Y SHi ET
Soil Sample Lean Clay (CL)	Test No20632
Location Valley West Subdivision Boring No Depth z'/z' Sample No /	Date 3-23-78 Test by 5MS
Natural Water Content (w) 27.2 % Specific Gravity (Gs) 2.64	In Place Sensity (To)pcf
SIEVE ANALYSIS: Sieve No.	Plastic Limit P.L
HYDROMETER ANALYS!S Grain size (mm) % OOS 85./ OOOS 51.4	Swell
	PERMEABILITY K (at 20°C, Void Ratio Sulfates 2000 + ppm.
SOIL ANALYSIS	LINCOLN-DeVORE TESTING LABORATORY COLORADO SPRINGS, COLORADO

.

Ž

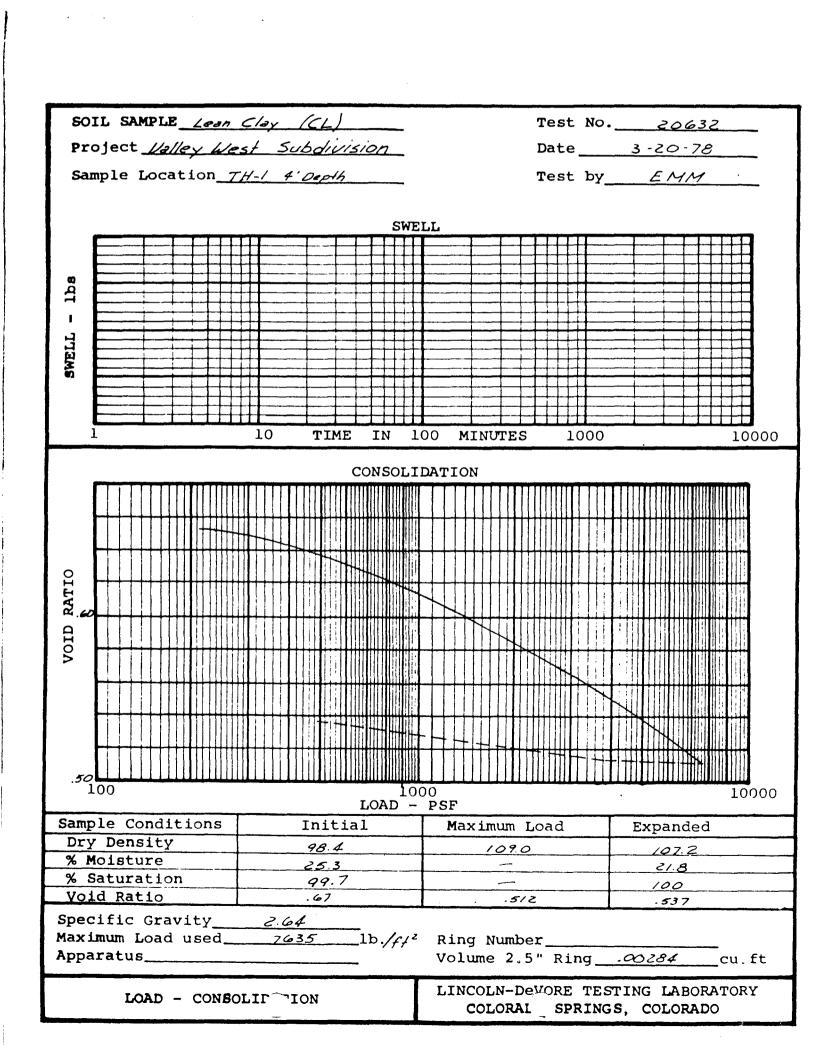
Soil Sample Silty Sand (SM) Test No. 20632 Date 3-23-78 Project Valley West Subdivision rest by SMS Sample Location TH-7 10' Depth GRAVEL SEND E LT TO CLAY Fine Co. Medida Fir. Nonplastic to Plastic 100 WEIGHT 80 PERCENT FINER 60 20 Dameter-(d) 1/2" 74" 2" 8" #4 #10 報(注意) / Sieve No. #20 #40 S. . % Passing Sample No. 2 1 1/2 3/4" Specific Gravity 2.74 Moisture Content 32.0 1/2" 3/8" Effective Size____ 100 99.5 86.7 200 48.4 Pineness Modulus____ 39.8 0200 L.L. 219 \$ P.I. 1.8 \$ 27.8 BEARING pef Sulfates ppm LINCOLM DOVORE TESTING LABORATORY GRAIN SIZE ANALYSIS COLORADO SPRINGS, COLORADO

The Company of the Market place and the contract of the Contra

	10.1.1		0 < 22
Soil Sample Well-Graded	Silty Gravel (GW/GM)	Test No. 2	0636
Project Valley West 5	Subdivision	Date <u>3-23</u>	- 78
Sample Location TH-/	20' Depth	fest by	٦ ـ
		***************************************	-
GRAVEL	SAND	SILT TO CLAY	
	Co. Medium Fin	Numplastic to Pla	stic
100 90 80 70 60 50 100 100 100 100 100 100	, 1 - A (t	Sieve No.	.001
·		On the Second	% Passing
Sample No	3_	1 1/2	100
Specific Gravity	pudmide dates of the entire constraints on the telephone the telephone	1 "	93.3
Moisture Content	26.8	3/4" 1/2"	70.6 53.6
		3/8"	45.2
Effective Size	- / 4 ^m	4 10	
Cu	75	20	23.2
Cc	3	40 100	
		200	7. 7
Fineness Modulus	į	0200	
		C.C.A.A.	
BEAFING	har .	Sulfates New	tive ppm
GRAIN SIZE ANA	ALYSIS	INCOLN-DOVORE TESTING COLGRADO SPRINGS, C	

so	IL SAMPLE	CL	Test No.	20632		
Pr	oject <u>Valley We</u>	st Subdivision TH-8. 5' Depth	Date	3/23/78 RL		
Sai	mple Location 7	TH-8. 5' Depth	Test by	RL		
l						
		SWE	LL			
108						
- 1						
SWELL						
ία						
	ì	10 TIME IN 1	00 MINUTES 1000	10000		
		CONSOLI	DATION			
.70	,					
OI.						
RATIO						
VOID						
ΛO						
.60	 					
]	100	lo LoAD -	00 PSF	. 10000		
	ole Conditions	Initial	Maximum Load	Expanded		
	y Density Moisture	94.6	103.7	101.5		
% \$	Saturation	98.3		25.0 100		
	id Ratio	.74	59	.62		
_	cific Gravity imum Load used	2.64 7635 lb.	Ring Number			
Apparatus Volume 2.5" Ring						
	LOAD - CONSC	DLIDATION	LINCOLN-DeVORE TES COLORADO SPRINC			

.



RAN Checkeral

ENGINEERING

AMD

몽기

1995

8

NO.

IBX-PLAT

Table of Contents

Fil Da		MS-1995-215 10/29/99								
P r	S	A few items are denoted with an asterisk (*), which means they are to be scanned for permanent record on the								
e	a	ISYS retrieval system. In some instances, not all entries designated to be scanned, are present in the file. There								
s	n	are also documents specific to certain files, not found on the standard list. For this reason, a checklist has been								
e	n	included.								
n. t	e d	Remaining items, (not selected for scanning), will be marked present on the checklist. This index can serve as a								
1	u	quick guide for the contents of each file.								
	Files denoted with (**) are to be located using the ISYS Query System. Planning Clearance will need to be typed									
	in full, as well as other entries such as Ordinances, Resolutions, Board of Appeals, and etc.									
	X	*Summary Sheet – Table of Contents								
X	X	Application form								
X		Receipts for fees paid for anything								
X	X	Submitted the transfer								
X	X	*General project report								
		Reduced copy of final plans or drawings								
X	X	Reduction of assessor's map								
		Evidence of title, deeds								
X	X									
		Public notice cards								
		Record of certified mail								
X		Legal description								
		Appraisal of raw land								
		Reduction of any maps – final copy								
		*Final reports for drainage and soils (geotechnical reports)								
		Other bound or nonbound reports								
		Traffic studies								
		Individual review comments from agencies								
X	X	Consolitation 10,10,11 Comments not								
X	X	*Petitioner's response to comments								
X	X	*Staff Reports								
		*Planning Commission staff report and exhibits								
		*City Council staff report and exhibits								
		*Summary sheet of final conditions								
		*Letters and correspondence dated after the date of final approval (pertaining to change in conditions or								
		expiration date)								
		DOCUMENTS SPECIFIC TO THIS DEVELOPMENT FILE:								
W.		Francisco Control of City of the Control of the Con								
X	X	Form for approval of filing & recording of Subdivision Plats Planning Commission Minutes – 1/9/96								
X	X	Valley West Subdivision – Filing No. 2								
X		Posting of Public Notice Signs								
X		Western Title Company – Llisting Package								
X		Treasurer's Certificate of Taxes Due IBX Subdivision Composite Plan								
X	X	Drainage Review IBX Subdivision – 11/30/95								
X	X	Subsurface Soils Investigation – 4/4/78								
X		Drainage Map								
X	X	Aerial Photo								
	-									
	-									
\dashv	-									

