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File												
Da	te	Project Name: Darwin Subdivision – Final Plan										
P	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	a	are also documents specific to certain files, not found on the standard list. For this reason, a checklist has been										
e s	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.										
X	X	*Summary Sheet – Table of Contents										
		Application form										
		Receipts for fees paid for anything		•	· · · · · · · · · · · · · · · · · · ·							
-	+	*Submittal checklist			and a second of the second							
		*General project report			······································							
		Reduced copy of final plans or drawings										
		Reduction of assessor's map		<u> </u>								
		Evidence of title, deeds										
<u> </u>	<u>X</u>	*Mailing list										
		Public notice cards										
		Record of certified mail										
		Legal description										
		Appraisal of raw land										
		Reduction of any maps – final copy			and the second							
		*Final reports for drainage and soils (geotechnical reports	5)									
		Other bound or nonbound reports										
		Traffic studies										
		Individual review comments from agencies										
		*Consolidated review comments list										
		*Petitioner's response to comments			· · · · · · · · · · · · · · · · · · ·							
		*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	ap	prov	val (pertaining to change in conditions or							
		expiration date)										
		DOCUMENTS SPECIFIC TO TH	IIS	DI	EVELOPMENT FILE:							
X	X	Action Sheet	X		Deed							
x	x	Review Sheet Summary	x		Grading, Drainage and Utilities Composite							
-	x	Power of Attorney - **	x	V	Subdivision Man - ** - see Historical Mans							
					Letter to Mesa County Planning to Tell Tannan Health							
x		Certification of plat	X		Physicist, ARIX - Gamma radiation survey – no tailings indicated							
X	X	Letter form Stephen Rice to Dick Weber re: Geotechnical study - 8/26/80	X		Development Summary Form							
X		Fire Flow Survey	<u> </u>									
v	x	Planning Commission Minutes - ** 0/26/00	1									
	X		ļ									
X		Letter from Alex Candelaria to Dick Weber re: Public Hearing for 9/17/80										
X		Final Plat Application										
x		Chicago Insurance Commitment for Title Insurance	1									

Minor Subdivision Application

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REVIEW SHEET SUMMARY

FILE# <u>48-80</u>	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
ITEM DARW	IN SUB MINOR-FINAL	DATE SENT TO REVIEW DEPT7-02-80
		DATE DUE <u>7-14-80</u>
PETITIONERD	ick Weber	
LOCATION W	est of 28¼ Rd., a	pprox 462' South of North Ave
DATE REC. 7-02-80	AGENCY TECH REVIEW	COMMENTS
7-9-80	CITY UTILITIES	How is sanitary sewage to be served?
1080	G.J. DRAINAGE	Need R-O-W for drain at southwest corner of lot 2.
7-10-80	CITY FIRE	Hydrant spacing will be every 300' along 28½ rd. on minimum 8" looped line. Add- itional onsite hydrants may be required. Fire flow survey will be required prior to issuance of building permits. Re- commend installation of water lines and fire hydrants prior to beginning con- struction.
		Contact Jim Patterson, City of Grand Junction as to upgrading the 6" line in 28¼ rd. and looping it down to Grand.
7-14-80	CITY ENGR.	The power of attorney form submitted incorrectly lists "28½" Road instead of "28½" and the POA should be executed prior to recording the plat. The power of attorney should include a reference to their share of piping the existing major drain ditch which exists in 28½ Road. The right-of-way dedication shown for 28½ Road is appropriate to accomodate extension of the street improvements from the north. An easement probably should be granted for where the Fruitvale Lateral and Waste Ditch Company ditch apparently crosses the southwest corner of the site. This ditch is the <u>only</u> storm drainage outlet for this neigh- borhood. Where is this property in relation to Gunnison Ave? We should not close off the future extension of Gunnison Ave.
7-16-80	PUBLIC SERVICE	Electric: 15' easement north side of Lots 1 & 2; 15' easement south side Lot 2. Gas: No Objection. Existing main in 28¼ Rd.
7-16-80	TRANS. ENG.	No comment.
7-16-80	PARKS & REC.	None

STAFF RECOMMENDATION Recommend approval subject to: Need correct description on P.O.A. before recording plat.

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48-80 DARWIN SUB MINOR-FINAL

What is going to occur on Lot 2? Plat should show drainage on the So. west corner of lot 2 & indicate easement or R.O.W. on drainage ditch. Collector R.O.W. (for Gunnison) or South of Lot 2.

7-29-80 GJPC - FLAGER/SIMONETTI PASSED 4-0 A MOTION TO RECOMMEND APPROVAL TO THE CITY COUNCIL OF # 48-80 DARWIN MINOR SUBDIVISION, SUBJECT TO STAFF COMMENTS, RIGHT-OF-WAY FOR GUNNISON AVENUE, AND THE STIPULATION THAT LOT ONE OR LOT TWO WILL NOT BE BUILT UPON UNTIL THE SEWER SITUATION IS RESOLVED.

veres <u>9.7</u>	File # 48-80
mits 2 loto ACTION	SHEET Zone <u>C-2</u>
ensity	Tax Area Code
.	
ctivity DARWIN SUBDIVISI	ow (MINOR)
inase Final	Date Neighbors Notified 7-15-80
Late Submitted 7-1-80	Date CIC/MCC Legal Ad
vate Mailed Out 7-2-80	PC Hearing Date 7-29-80
eview Acencies	eview Period - Return By July 14
	Send
COUNTY ROAD DEPARIMENT	
COUNTY HEALTH DEPARIMENT	
COUNTY SURVEYOR	
COMTRONICS	WATER (UTE, CLIFTON)
GRAND VALLEY RURAL POWER	SEWER
MOUNTAIN BELL	CITY ENGINEER/UTILITIES N.S.A/PATTERSON
PUBLIC SERVICE	MACK, LOMA, MESA, COLLBRAN
SOIL CONSERVATION SERVICE	FRUITA, PALISADE
SCHOOL DISTRICT 51	V tarko & REC.
STATE HIGHWAY	K Jim Brougdon
STATE GEOLOGICAL	V Energy Office
STATE HEALTH - RADIOLOGICAL	V Jech Review
TRANSAMERICA TITLE	VED VANDER TOOK
armon Location $462' 5.0$	A NORTH AVE; E. of
taff Comments	
taff Corments	24112 182
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REVIEW	SHEET	SUMMARY
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FILE# <u>48-8</u>	0	
ITEM DARWI	N_SUB-FINAL PLAT_	DATE SENT TO REVIEW DEPT. 8-06-80
		DATE DUE <u>8-18-80</u>
PETITIONER		
LOCATION	462' S. of Nor	th Ave., East of 283
DATE REC.	AGENCY	COMMENTS
8-12-80	MT. BELL	No objections
8-14-80	CITY UTL	Water (8") and sewer mains should be installed in 28¼ Road prior to street improvements being made.
8-14-80	G.J. DRAINAGE	О.К.
8-18-80	TRANS. ENG.	No comment.
8-18-80	UTE WATER	This development would be served by the City of Grand Junction.
8-18-80	G.J. FIRE	Water supply and line size inadequate. An 8 inch or larger water line must be extended from existing 6 inch inch at 28¼ and North are down 28¼ Road to 6 & 24 frontage road. Hydrants, additional hydrants , may be required on site.
8-18-80	CITY ENG.	As shown in their calculations, this develop- ment will generate significantly more storm run- off. The existing drain ditch will need to be improved to urban standards as this area develops. The right-of-way at the corner of 28½ Road and Gunnison Avenue should have a 20 ft. radius. Right-of-way widths shown are appropriate. Power of attorney for full street improvements for both 28½ Road and Gunnison Avenue should be granted prior to recording the plat. How will access be provided initially (until the public streets are constructed)? If needed for access, they can construct 22 ft. of mat,
STAFF RECO Recommend	OMMENDATIONS approval as per (comments.
	CITY ENG. CON'T	curb, gutter and sidewal on their side as per our standards for phased development. Public sewer and water should be provided by the petitioner to serve any buildings on Lots 1 or 2. Detailed plans for those sewers and waterlines should be submitted for my approval prior to construction and prior to issuance of any building permits.
8-26-80	PUBLIC SERVICE	Gas: No objections. Existing main in 28½ Rd. Electric: No objections. Note: An overhead electric and phone line exist along the south property line.
8-27-80	PARKS & REC.	None

8-26-80/GJPC/RIDER/FLAGER PASSED 6-0 A MOTION TO RECOMMEND APPROVAL TO THE CITY COUNCIL OF THE FINAL PLAT, DARWIN SUBDIVISION, PROVIDED THAT THE WATER AND SEWER MAINS BE INSTALLED PRIOR TO STREET IMPROVEMENTS, AND THAT THE STREET IMPROVEMENTS BE IN PLACE PRIOR TO ISSUANCE OF BUILDING PERMITS.

Acres <u>9.7</u>	CITY ACTION	SHEET	· •	File # <u>48-80</u>					
Units <u>2 Lots</u>			. ·						
Density				Zone <u><i>C-2</i></u>					
Activity DAPWIN SUB. Phase <u>FINIAL</u> Date Submitted <u>7/3//80</u> Date Mailed Out. <u>8/6/80</u> Date Posted <u>8/15/80</u> Legal Ad Date Date Neighbors Notified	Da Da Da Da Da Da Da Da Da Da Da Da Da	ate Neighbors City Council ate CIC Legal earing Date Planning Com earing Date City Council	Notified	8/26/80					
Review Agencies	<u> </u>	<u>O</u> review Per	10d-Recur	п бу <u>8//8/80</u>					
Send									
COUNTY ROAD DEPARTMEN MOUNTAIN BELL PUBLIC SERVICE COMPAN FIRE IRRIGATION G. U. DRAINAGE G. J SEWER FOULTUR WATER (UTE) CLIFTON) FLOODPLAIN CITY ENGINEER Common Location 4625	IT	CITY UTI CITY POL TRANSPOR PARKS AN ENERGY O TECH REV WATER AN	LITIES ICE TATION EN D RECREAT FFICE IEW D POWER R	GINEER PION ESOURCES					
Board Date Comm	<u>ents</u>	Λ	- 0 - 1						
<u>G.J.P.C 1/26/80</u>	p p	econnerd	a ap	nove of					
CIC 8/20/ 810	approve	prelin	inany	plat					
6TPC 8/26/80 (1)	graved- 7	sewer n	subject	t tolat					
	in place	pipe to	that the	ance of B.P.					
cic yilliou up	yround - C	Sunger (OP.C.	V					
Staff Comments Nucl Litte Committee Soil Enclusive 11 OA 28	uent 8/6/80								
Original Documents									
Improvement Agreement			Covenants						
Improvement Guarantee	1		Developme	nt Schedule					

#48-80 2943+ 2943 - 182 - 00 - 063 -012 ----016 -62-019 -049 ---Bruce Troy 316 County Club Park hay -03 S. W. Collins P.O. Bax 11320 St. Louis, Mo 63/05 J. Squerell P.O. Box 115 termore limarian W 8/220 Darwin M. Wilcox 2700 G Rd. Cety - 81501 B Dick Weber 425 North ave City - 81501



26 August 1980

Dick Weber 425 North Avenue Grand Junction, Colorado 81501

Attention: Mr. Weber

Re: Darwin Subdivision

Gentlemen:

We have completed our geotechnical studies of the proposed Darwin Subdivision. Data from our field and laboratory studies, along with our analyses and recommended design criteria have been summarized and are presented in the attached report. If you have any questions, please call.

Yours truly,

GEO TESTING LABORATORIES, INC.

Stephen D. Rice

Stephen G. Rice Secretary/Treasurer

SGR/mfs

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INTRODUCTION

We made this study to assist in determining the best types and depths of foundations for the structure and design criteria for them. Data from our field and laboratory work are summarized on Figures #1 through 5, attached.

1

PROPOSED CONSTRUCTION

We understand the propsed buildings will be single story slab on grade type construction similar to those in the surrounding area of North Avenue and the I-70 Bypass.

For the purpose of our analyses, we assumed maximum column loads on the order of 30 Kips and wall loads of 1 Kip/ft.

If final designs vary from these assumptions, we should be advised to permit re-evaluation of our recommendations and conclusions.

SITE CONDITIONS

The proposed subdivision is located south of North Avenue and is bordered on the West by 28½ Road. The site contains approximately 10 acres. A concrete lined irrigation ditch runs along the East property line as well as a ditch on the North property line which is not lined. The site is relatively flat and vacant with grass and weeds. Drainage is slight and to the South towards the Mesa County ditch. No bedrock outcroppings were noted on the property.

SUB SOILS

Our test holes showed stiff silts and clays to a depth of approximately 5 to 7 feet and with increasing depth the clays and silts became soft to very soft. Sands and gravels were encountered at a depth of approximately 28.0 feet. The upper clays showed moderate consolidation upon loading and moderate swelling upon wetting.

Groundwater was encountered in all holes at approximately 10.0 feet or where caving had occured after drilling. Because of the increasing moisture at 5.0 to 7.0 feet we suggest that no garden level or basements be constructed at this site.

FOUNDATIONS

We have considered several types of foundations for the proposed building, including spread footings and driven piling. Founding the buildings with spread footings on the natural silty clays involves a "normal" risk of foundation movement. Founding the buildings with driven piling would reduce the risk of foundation movement. We believe considering safety, economy, and the ever present risk of movement involved in any type of foundation, spread footings on the natural silty clays would be the most practical. The foundation criteria included herein is for spread footings only. However, should you decide upon a lower risk alternative, such as driven piling, we would be happy to discuss the criteria for them with you.

Spread footings placed below frost depth of about 3.0 feet should be designed for a maximum soil bearing pressure of 2000 PSF and a minimum soil bearing pressure of 1000 PSF.

FLOOR SLABS

We believe the most practical type of floor used in conjunction with spread footing foundations would be a floating slab-on-grade construction, we suggest the following:

 Place a minimum of 4" of gravel beneath the slab compacted to a minimum of 70% relative density (ASTM D-2049) or 95% of Proctor density (ASTM D-698) whichever applies to the chosen material. 2

- 2. Provide moderate slab reinforcement and carry the reinforcement through the interior slab joints, but not to the foundation walls or load bearing walls.
- 3. Omit under slab plumbing. Where such plumbing is unavoidable, pressure test is during construction to minimize the possibility of leaks that result in foundation wetting. Utility trenches should be compacted to a minimum of 95% maximum dry density as determined by ASTM D-698.

WETTING OF FOUNDATION SOILS

Wetting of foundation soils always causes some degree of volume change in the soils and should be prevented during and after construction. Methods of doing this included compaction of "impervious" backfill around the structure, provision of an adequate grade for rapid runoff of surface water away from the structure, and discharge of roof downspouts and other water collection systems well beyond the limites of the backfill.

GENERAL INFORMATION

Our exploratory test holes were spaced as closely as feasible in order to obtain a comprehensive picture of the sub soil conditions; however, erratic soil conditions may occur between test borings. If such conditions are found in exposed excavations, it is advisable that we be notified to observe the conditions in the foundation excavation.

GEO TESTING LABORATORIES, INC.

Stephen H. Rice

Stephen G. Rice Secretary/Treasurer

approved by:

Andrew A. Porter, P.E. President







SUBDIVISION

DARWIN



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