

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-23207
5. LEASE DESIGNATION AND SERIAL NO.

SE 078110

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal I

9. WELL NO.

#6

10. FIELD AND POOL, OR WILDCAT

Harper Hill Fruitland PC

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 1 T29N R14W

12. COUNTY OR PARISH 13. STATE

San Juan

NM

17. NO. OF ACRES ASSIGNED TO THIS WELL

159

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

9-8-78

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Dugan Production Corp.

3. ADDRESS OF OPERATOR

Box 234, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1590' FNL - 1800' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

1/2 mile north of Farmington, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1590'

16. NO. OF ACRES IN LEASE

2435.47

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

Approx 600'

19. PROPOSED DEPTH

1450'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5563' GR

23.

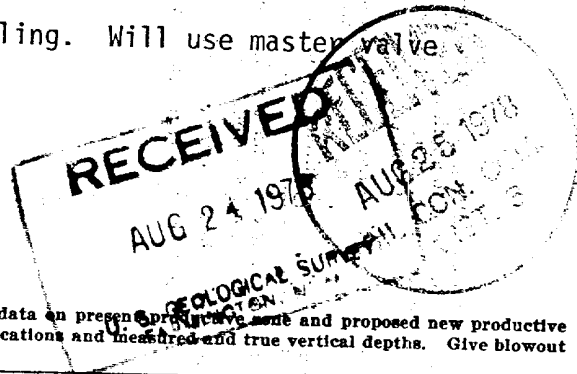
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7-7/8"	5-1/2"	14#	40'	10 sx
4-3/4"	2-7/8"	6.4#	1450'	100 sx

Plan to drill well using mud as circulating medium to test Pictured Cliffs formation. If productive, plan to set 2-7/8" tubing for casing, selectively perforate, frac, clean out after frac, run 1-1/4" tubing and complete well.

Do not plan to use a blowout preventer while drilling. Will use master valve and stripper head while completing well.

NMERB Requirement: Gas not dedicated.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Richard Tully

TITLE

Landman

DATE

8-23-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ok Frank

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

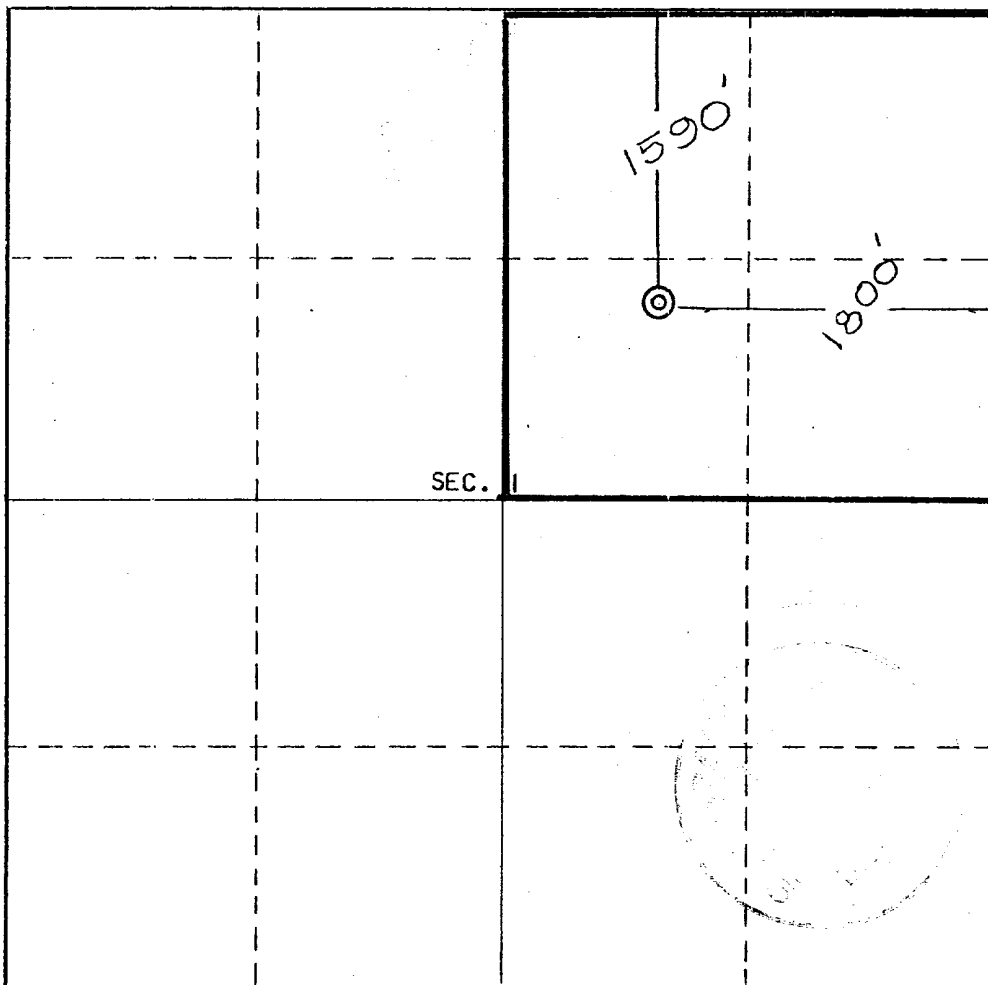
Operator Dugan Production Corporation			Lease Federal I		Well No. 6
Unit Letter G	Section 1	Township 29 North	Range 14 West	County San Juan	
Actual Footage Location of Well: 1590 feet from the North line and 1800 feet from the East line					
Ground Level Elev. 5563	Producing Formation Fruitland - Pictured Cliffs		Pool Harper Hill	Dedicated Acreage: 159 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

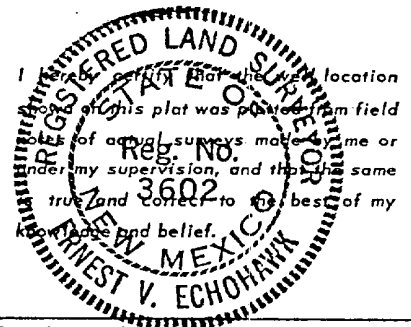


CERTIFICATION

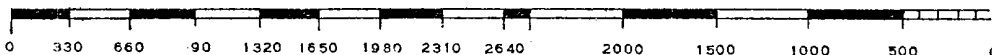
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Richard Tully

Name	Richard Tully
Position	Landman
Company	Dugan Production Corp.
Date	8-23-78



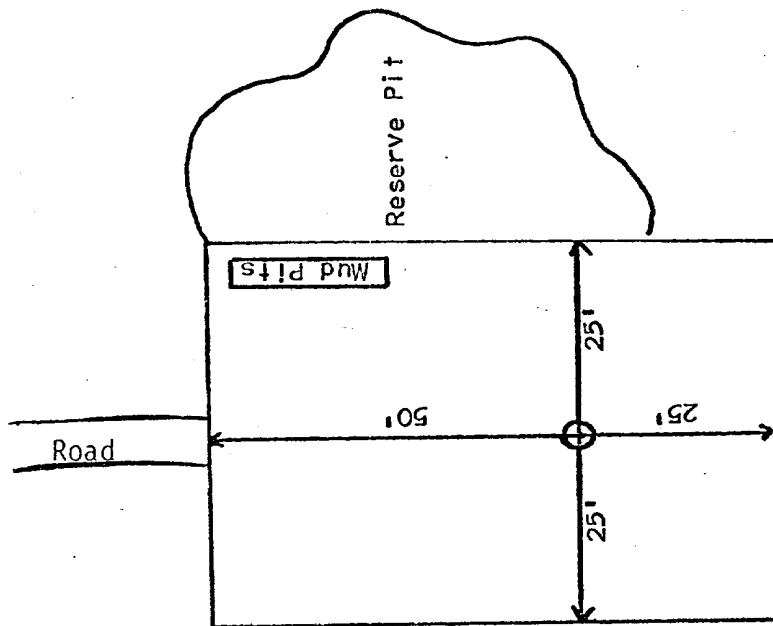
Date Surveyed	August 8, 1978
Registered Professional Engineer and/or Land Surveyor	
<i>Ernest V. Echohawk</i>	
Certificate No.	3602
E.V.Echohawk LS	



Dugan Production Corp.

Fed I #6

Proposed Location Layout



DEVELOPMENT PLAN

Dugan Production Corp.

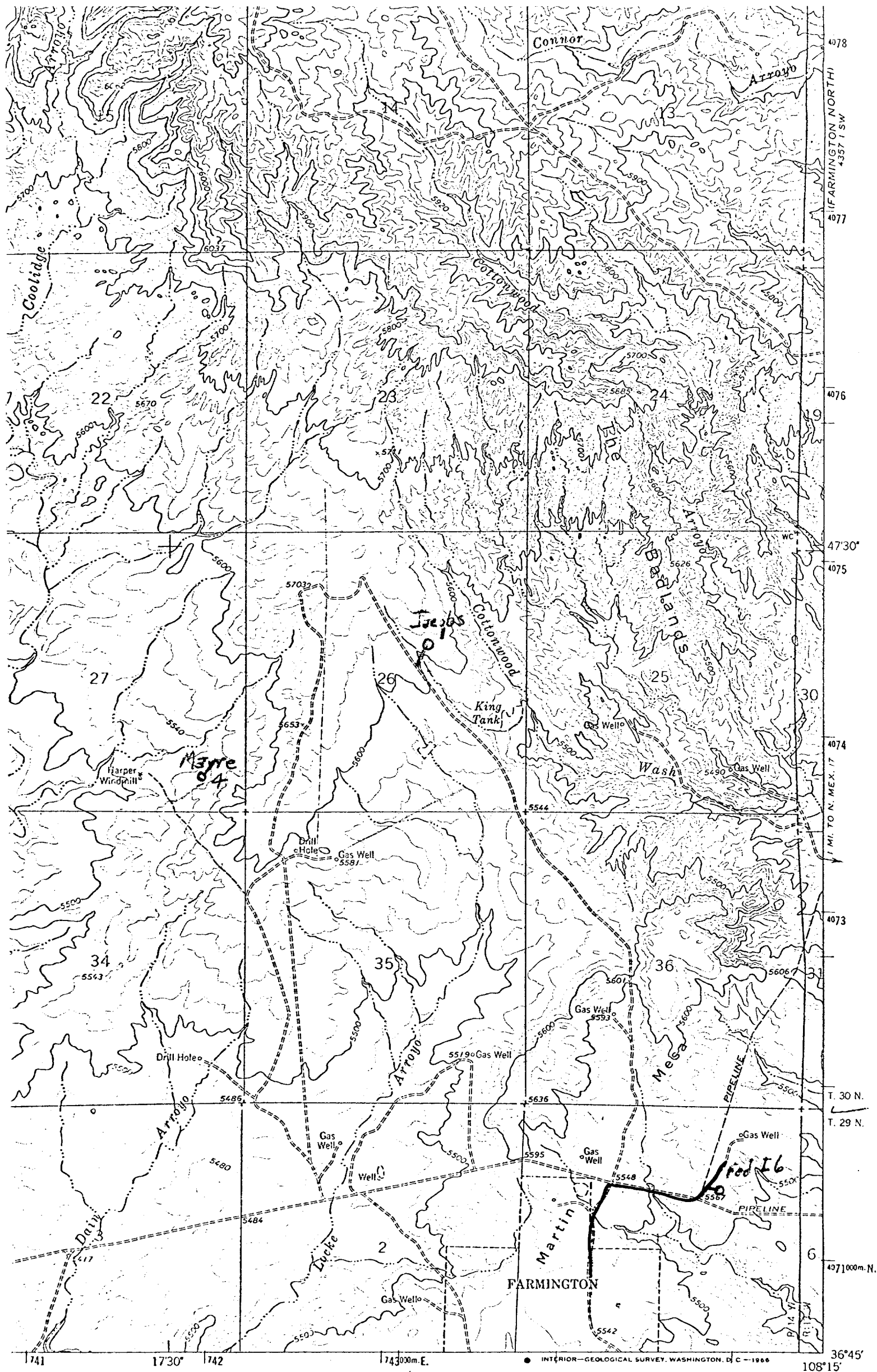
Fed I #6

1. Existing roads and existing wells are shown on attached plat.
2. Planned access from existing road approximately 50' to new location. Will leave natural grass and small vegetation on roadway. Will remove large brush or trees from road. Do not plan to make road grade or bar ditches. Will bottom-out any arroyo we cross and not install culverts.
3. Location of well: 1590' FNL - 1800' FEL
Section 1 T29N R14W
San Juan County, NM
4. No additional well(s) planned on this lease at this time.
5. Separator and flow line will be located within 50' of wellhead.
6. Water will be secured from San Juan River.
7. Waste materials will be buried on location or in reserve pit.
8. No permanent camp is planned; trailer house will be used on location while drilling.
9. Do not plan to build airstrip.
10. See attached plat for proposed location layout.
11. A general description of the topography, soil characteristics, geologic features, flora and fauna; other surface-use activities and surface ownership of involved lands, proximity of water, occupied dwellings, archeological, historical or cultural sites can be found in the archeologist's report.
12. Geologic name of surface formation: Ojo Alamo
13. Estimated tops of important geologic markers: Ojo Alamo - surface
Kirtland - 50'
Fruitland - 880' Gas
Pictured Cliffs 1240' Gas
14. Estimated depths of anticipated water, oil, gas, or other mineral bearing formations which are expected to be encountered;
as above
15. We do not anticipate to encounter any abnormal pressures or temperatures or any potential hazards such as those associated with hydrogen sulfide.
16. Will clean up location, fill and level pits, level ruts in road, reseed location and road with Seed Mixture #2 and paint equipment with Sandstone Brown.
17. Operator's Representative:
Richard Tully
Box 234
Farmington, NM 87401
18. Certification: The following statement must be signed by the lessee's or operator's field representative who is identified in Item #17 of the Plan:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this Plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Dugan Production Corp. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Date: 8-23-78

Richard Tully
Richard Tully
Landman



Existing Road

Planned Access Road

ROAD CLASSIFICATION

Medium-duty Light-duty